

west virginia department of environmental protection

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

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

Monday, June 22, 2020 WELL WORK PERMIT Horizontal 6A / New Drill

SWN PRODUCTION COMPANY, LLC POST OFFICE BOX 12359

SPRING, TX 773914954

Re: Permit approval for BRIAN TESLOVICH BRK 405 47-009-00313-00-00

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

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

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

James A. Martin Chief

Operator's Well Number: BRIAN TESLOVICH BRK 405

Farm Name: BRIAN L. TESLOVICH

U.S. WELL NUMBER: 47-009-00313-00-00

Horizontal 6A New Drill Date Issued: 6/22/2020

API Number: 47-009-00313

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.

API Number: 47-009-00313

PERMIT CONDITIONS

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

WW-6B (04/15) 4700900313

APINO, 27-009

OPERATOR WELL NO. Stan Testavich BRK
Well Pad Name: Brian Testavich BRK

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

	C14/41			104512024	000 Bassler	3-Buffalo	641-Tiltonsville
Fr Well Opera	HOT: SWN I	Production C	0., LLC	494512924 Operator 1D	County	District	Oundrangle
		Daine Tool	loudet DO				
4) Operator's	Well Number	Brian Test	ovich RK	NAUDH Well	Pad Name Brian	TESIOVICIT	DINK
i) Farm Mame	e/Surface Ov	mer: Brian L	Teslovi	ch Public R	oad Access Mo	Cord Hill	Road
() Flevation, c	current group	rd: 1149'	E	evation, propose	d post-constructi	on: 1151'	
5) Well Type	(a) Gas	X	Ciil	(1)	nderground Storag	16.	
	Other						
	(b)If Gas	Shallov	X	Deep.			
		Horizontal	X		1	Sty.	
i) Existing Pa	d: Yes or No	No			/	Fr A	7 76
Target Formation (3) Proposed 1			*	VD- 5744 , Target Base	TVD- 5750 , Millopated	THURSTOOD OT 1	Associated Pressure- 3767
			9 Marcellu	9			
)) Formation :		ivai zopini	19457'			(Office of Oil and Gas
(0) Proposed		rices of which		01			MAY 2 0 2020
(1) Proposed	Horizontal L	eg Length:	12,343.2				WV Deparament of
(2) Approxim	rate Fresh Wi	ater Stram De	unhs:	115'		Env	rironmental Protection
(3) Method to			Sehre	Nearby spring			
14) Approxim				.,			
(5) Approxim					Desaible Void	266'	
(6) Approxim	rate Depth to	Possible Voi	d (coal m	ine, karst, office)	Possible Void	200	
17) Does Prop directly overly				nis Ves	No	X	
(a) If Yes. ju	revide Mine	Info: Name	1	Nindsor 1	line		
		Depth	1.	2661			al-
		Seam			1.0		
		f hane	W TH	lindsor Co	at Co Co	nsoL	

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

OPERATOR WELL NO. Brian Toslovich BRK 405H
Well Pad Name: Brian Teslovich BRK

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	H-40	48#	320'	320'	323 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1609'	1609'	632 sx/CTS
Production	5 1/2"	New	HCP-110	20#	19457'	19457'	feed 7765s/Tell 3202ss/ 100' Inside in
Tubing							
Liners							

C-Ml 4.3.20

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% Excess
Fresh Water	13 3/8"	17.5"	0.380	2740	633	Class A	1.19/50% Excess
Coal	See	Surface	Casing				
Intermediate	9 5/8"	12 1/4"	0.395	3950	1768	Class A	1.19/50% Excess
Production	5 1/2"	8 3/4"	0.361	12360	9500	Class A	1.20/50% Excess
Tubing							
Liners							RECEIVED fice of Oil and Gas

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PACKERS

Kind:		
Sizes:		
Depths Set:		

OPERATOR WELL NO. Brian Teslovich BRK 405H
Well Pad Name: Brian Teslovich BRK

19	Describe propose	d well work.	including t	the drilling and	plugging l	back of any pilot hole:
,	= vouitou proposi	,			Y-~00~~0 \	pirot india.

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- 9000 lbs @ 100 barrels a minute.

- 21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 11.42
- 22) Area to be disturbed for well pad only, less access road (acres): 6.17
- 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:

Office of Oil and Gas

See Attachment ***

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25) Proposed borehole conditioning procedures:

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

^{*}Note: Attach additional sheets as needed.

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

Southwestern Energy Company Proposed Drilling Program Well: **BRIAN TESLOVICH BRK 405** Re-entry Rig: TBD Field: PANHANDLE FIELD WET Prospect: **PANHANDLE** County: BROOKE WV State: SHL: 40.2166 Latitude -80.6333 Longitude BHL: 40.2528 Latitude -80.6420 Longitude **KB Elev:** 1,175 ft MSL KB: 26 ft AGL 1,149 ft MSL GL Elev: 0'to 100' Coal Void at 266' TVD 0'to 340' Air / Mist PROD TOC Lead @ 1,629 ' MD PROD TOC Tail @ 5,100 ' MD 340 'to 1,629 ' Air / Mist **TUBULAR DETAIL** To Weight Grade From Size (in) 1,629 ' to 5,941 ' Conductor/Coal: 20 94.0# H-40 100 ' Air / Mist Surf./Coal: 13.375 48.0# H-40 0' 320 0' 1,609 Intermediate: 9.625 36.0# J-55 Production: 5.5 20.0# HCP-110 19,457 CEMENT DETAIL Class Density Sacks 19.3 151 Conductor 323 15.6 Surface A 15.6 Intermediate 632 A **Production Lead** 776 A 15.6 **Production Tail** 3202 15.6 Air TD at 5,941 ' 5,941 'to 7,113' KOP at 5,941 'MD Freshwater Depth - 115 'TVD 12.4 - 12.8 ppg Coal Void Depth - 266 'TVD Saltwater Depth - 405 'TVD TVD - 5,779 1 TMD - 19,457 ' TD at 19,457 'MD 5,639 'TVD 5,779' Target Center EOB at 5,779 'TVD 7,113 ' to 19,457 ' 12.4 - 12.8 ppg Created by: C R Hall on 06/09/2020

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; •		lesiovich BRK 405H AOR						
<u>,y</u>	API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
v	4709300053	Berea Oil and Gas Corporation	N/A	39.028047	-79.442466	N/A	N/A	N/A
J	4709300047	Berea Oil and Gas Corporation	N/A	N/A	N/A	N/A	N/A	N/A
V	4709300045	Columbia Gas Transmission Corporation	Completed	N/A	N/A	N/A	N/A	N/A
V	4700900015	Dr. Michael J. Miller, Jr., dba Joint Venture Company	Plugged	40.218317	-80.628013	1890	Berea	N/A
1	4709700260	Cumberland & Allegheny Gas Company	Plugged	39.009223	-80.260798	4463	Benson	N/A
4	4709300064	Berea Oil and Gas Corporation	Plugged	39.089138	-79.454338	9700	Oriskany	N/A
	4709300063	Cities Service Oil & Gas Corporation	Plugged	39.220207	-79.609345	9594	Tuscarora	N/A
<u> </u>	4709700264	Pittsburgh & WV Gas	Completed	39.008594	-80.275883	4377	Benson	N/A

WW-9 (4/16)

API Number 47 - 009

Operator's Well No. Brian Teslovich BRK 40511

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

OP Code 494512924	Operator Name SWN Production Co., LLC
Quadrangle Tiltonsville	Watershed (HUC 10) Grog Run
mplete the proposed well work? Yes 🗸 No	Do you anticipate using more than 5,000 bbls of water to Will a pit be used? Yes No
	If so, please describe anticipated pit waste:
No 1f so, what ml.?	Will a synthetic liner be used in the pit? Yes
	Proposed Disposal Method For Treated Pit Wa
	Land Application
mit Number_ Various Approved Facilities)	Underground Injection (UIC
	Reuse (at API Number_At the
VW-9 for disposal location)	Off Site Disposal (Supply for Other (Explain recovery and
	Other (Explain recovery and
Attachment 3A Office of Oil and Ga	Will closed loop system be used? If so, describe: Yes-
ontal)? Air, freshwater, oil based, etc. Af critico KOP, tolk criti work SOBM 1/4 (CF) 2020	Drilling medium anticipated for this well (vertical and I
	-If oil based, what type? Synthetic, petroleum,
Protectio	Additives to be used in drilling medium? Attachment 3E
ed offsite, etc. landfill	Drill cuttings disposal method? Leave in pit, landfill, re
	-If left in pit and plan to solidify what medium
SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL018781, Wetzel County 1021	-11 left in pit and plan to sensity that the
SWF-1013.	Abov Sanitary Landill Uh-U8438 Brooke
d Gas of any load of drill cuttings or associated waste rejected at any ded within 24 hours of rejection and the permittee shall also disclose	Demnistra shall provide written notice to the Office of C
ally examined and am familiar with the information submitted on this ased on my inquiry of those individuals immediately responsible for is true, accurate, and complete. I am aware that there are significant sibility of fine or imprison bent. NOTARY PUBLIC OFFICIAL SEAL JESSICA L. VANGILDER State of West Virginia My Comm. Expires Jul 20, 2020 SWN Production Company, LLC 175 Innovation Dr. Jane Lew, WV 26378	on August 1, 2005, by the Office of Oil and Gas of the provisions of the permit are enforceable by law. Viol. law or regulation can lead to enforcement action. I certify under penalty of law that I have permit in the permit and the permit action.
april _ 20 20	Subscribed and sworn before me this 3rdd
Notary Public	_ gusica & Vandilo
	My commission expires 1-20-2
ased on my inquiry of those individuals immediately responsion is true, accurate, and complete. I am aware that there are significantly of fine or imprisonment. NOTARY PUBLIC OFFICIAL SEAL JESSICA L. VANGILDER State of West Virginia My Comm. Expires Jul 20, 2020 SWM Production Company, LLC 175 Innovation Dr. Jane Lew, WV 26374	application form and all attachments thereto and the obtaining the information. I believe that the informat penalties for submitting false information, including the Company Official Signature Brittany Woody Company Official (Typed Name) Brittany Woody Company Official Title Senior Regulatory Analyst Subscribed and sworn before me this 3rd and 4 Manual Company Official Title Senior Regulatory Analyst

Operator's Well No. Brian Teslovich BRK 405H

Proposed Revegetation Treatment: Acres Disturbe	ed 11.42	Prevegetation pH	
Limeas determined by pH test min.2 Tons/acre or to c	correct to pH 6.17		
Fertilizer type 10-20-20			
Fertilizer amount 600/500	lbs/acre		
Mulch_ Hay/Straw	Tons/acre		
	Seed Mixtures		
Temporary		Perma	ient
Seed Type lbs/acre Attachment 3C		Seed Type	lbs/acre
Maps(s) of road, location, pit and proposed area for	r land application (unless	engineered plans includ	ing this info have been
Maps(s) of road, location, pit and proposed area for rovided). If water from the pit will be land applied creage, of the land application area.	d, include dimensions (L	engineered plans includ x W x D) of the pit, and	dimensions (L x W), and
Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied creage, of the land application area. Photocopied section of involved 7.5' topographic signs.	d, include dimensions (L	engineered plans includ x W x D) of the pit, and	dimensions (L x W), and
Maps(s) of road, location, pit and proposed area for rovided). If water from the pit will be land applied creage, of the land application area. Thotocopied section of involved 7.5' topographic standard approved by:	d, include dimensions (L heet.	engineered plans includ x W x D) of the pit, and	Office of MAY 2
Maps(s) of road, location, pit and proposed area for rovided). If water from the pit will be land applied creage, of the land application area. Thotocopied section of involved 7.5' topographic standard approved by:	d, include dimensions (L heet.	engineered plans includ x W x D) of the pit, and	dimensions (L x W), and Office of
Maps(s) of road, location, pit and proposed area for rovided). If water from the pit will be land applied creage, of the land application area. Photocopied section of involved 7.5' topographic strain Approved by:	d, include dimensions (L heet.	engineered plans includ x W x D) of the pit, and	Office of MAY 2
Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied acreage, of the land application area. Photocopied section of involved 7.5' topographic stream Approved by:	d, include dimensions (L heet.	engineered plans includ x W x D) of the pit, and	Office of MAY 2
Attach: Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied acreage, of the land application area. Photocopied section of involved 7.5' topographic size. Plan Approved by: Comments:	d, include dimensions (L heet.	engineered plans includ x W x D) of the pit, and	Office of MAY 2
Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied acreage, of the land application area. Photocopied section of involved 7.5' topographic section applied to the land application area.	d, include dimensions (L heet.	engineered plans includ x W x D) of the pit, and	Office of MAY 2
Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied acreage, of the land application area. Photocopied section of involved 7.5' topographic section applied to the land application area.	d, include dimensions (L heet.	engineered plans includ x W x D) of the pit, and	Office of MAY 2
Maps(s) of road, location, pit and proposed area for provided). If water from the pit will be land applied acreage, of the land application area. Photocopied section of involved 7.5' topographic section applied to the land application area.	d, include dimensions (L heet.	engineered plans includ x W x D) of the pit, and	Office of MAY 2

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.

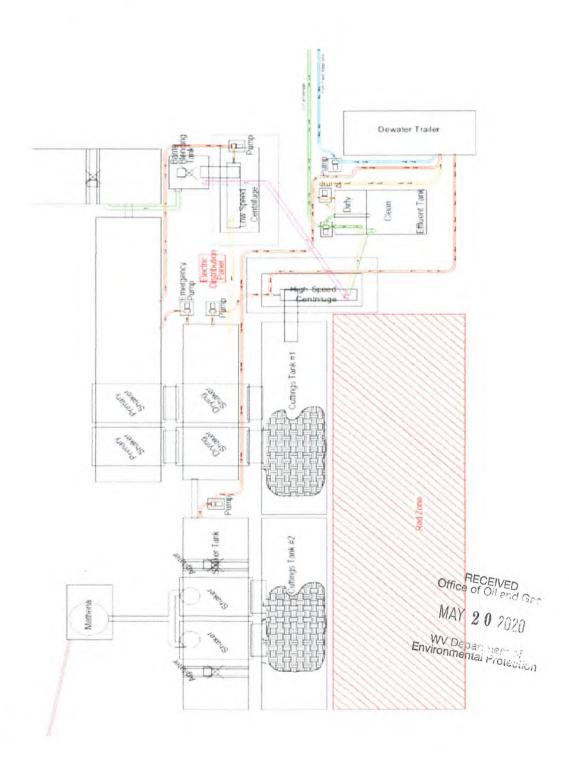
AIR DRILLING INTERVALS

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 solutional low RECEIVED into the cuttings tank for drying and hauloff. Liquids are further processed to remove additional low RECEIVED and Gas processed by the high speed centrifuge to further separate liquids and solids. Solids are then dumped gravity solids before being reused or transferred to onsite storage. MAY 2 0 2020

LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

WV Department of Environmental Protection 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.





Solids Control Layout

Attachment 3B Drilling Mediums

Surface/Coal(if present)/Freshwater Intervals:

Air

Freshwater (if needed based on conditions)

Intermediate/Coal (if present):

Air

Production Hole:

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers



WVD Seeding Specification

MON-ORGANIC PROPERTIES		
Seed Mixture: ROW Mix	NWS	SWN Supplied
Orchardgrass	40%	
Timothy	15%	
Annual Ryegrass	15%	
Brown Top Millet	5%	
Red Top	5%	
Medium Red Clover	5%	All legumes are
White Clover	5%	innoculated at 5x normal
Birdsfoot Trefoil	5%	rate
Rough Bluegrass	5%	
Apply @ 100lbs per acre		Apply @ 200lbs per acre Oct. 15th- April 15th PLUS

		7
Apply @ 200lbs per acre Oct. 15th- April 15th PLUS 50lbs per acre of Winter Wheat		Apply @ 100lbs per acre April 16th- Oct. 14th
	5%	gh Bluegrass
	5%	stoot (retoil

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

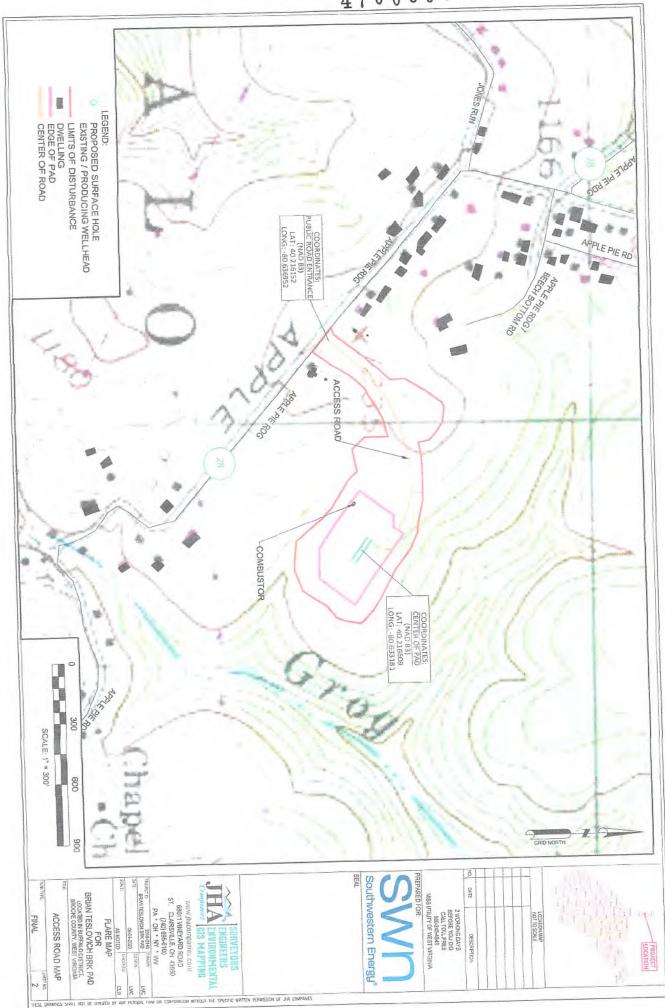
bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb Wheat/ac).

pecial Considerations:

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

RTIES		ORGANIC PROPERTIES	
S NWS	SWN Supplied	Seed Mixture: SWN Production Organic Mix	Viix SWN Supplied
40%		Organic Timothy	50%
15%		Organic Red or White Clover	50%
15%		OR	
5%		Organic Perennial Ryegrass	50%
5%		Organic Red or White Clover	50%
5%	All legumes are	Apple 9 100lbs post por	Applie 2001b
5%	innoculated at 5x normal	April 16th- Oct. 14th	Oct 15th- April 15th
5%	rate		
5%		Organic Fertilizer @ 200lbs per Acre	Pelletized Lime @ 2 Tons per Acre
racre Ap	Apply @ 200lbs per acre Oct. 15th- April 15th PLUS		

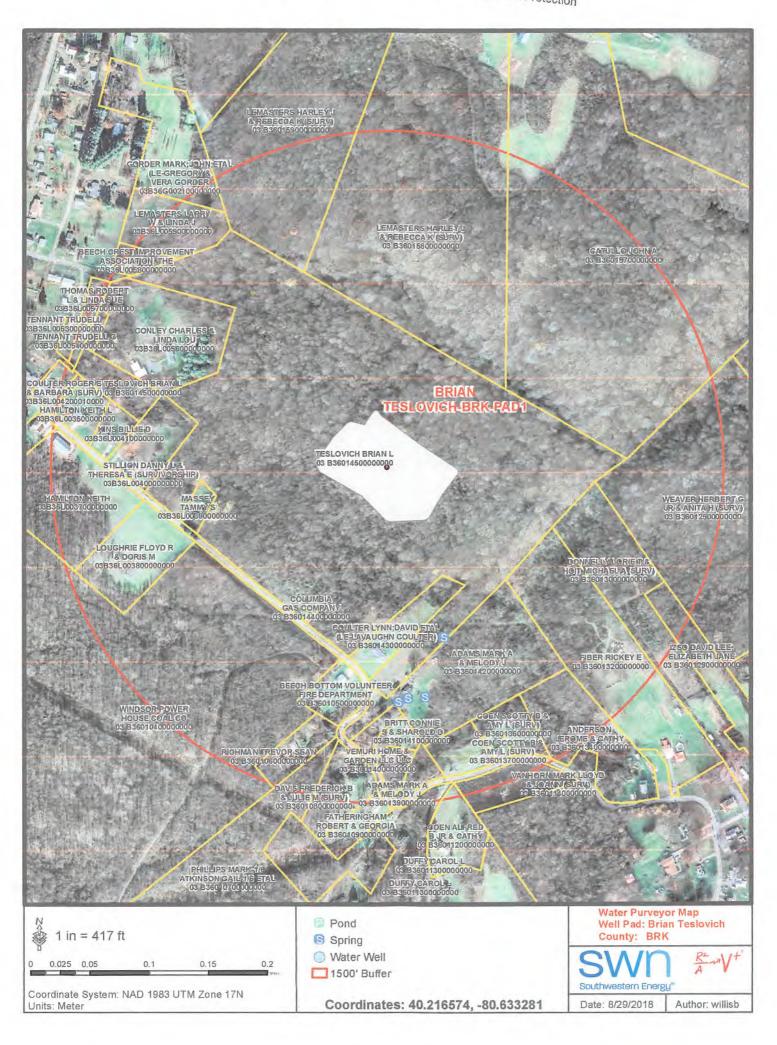
SWN Supplied 20% 20% 20% 10% 5% 5% 5% 5% 2.5% Apply Oct.	Apply @ 25lbs per acre April 16th- Oct. 14th	Swamp Verbena	Woolgrass	Soft Rush	Fox Sedge	Showy Tickseed	Maryland Senna	Golden Tickseed	Redtop	Cosmos 'Sensation'	Fowl Bluegrass	Annual Ryegrass	VA Wild Ryegrass	Seed Mixture: Wetland Mix
1 6	Apply @ 50lbs per acre Oct. 15th- April 15th	2.5%	2.5%	2.5%	2.5%	5%	5%	5%	5%	10%	20%	20%	20%	SWN Supplied

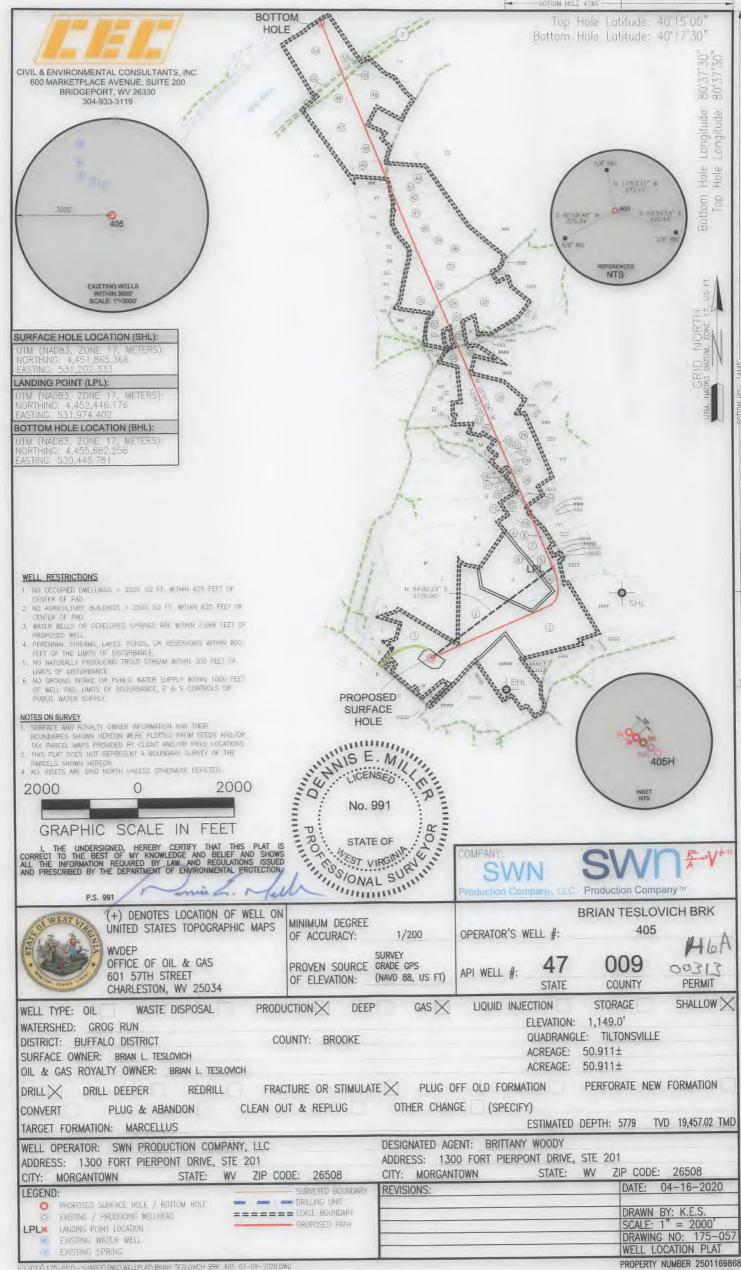


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CIVIL & ENVIRONMENTAL CONSULTANTS, INC. 600 MARKETPLACE AVENUE, SUITE 200 BRIDGEPORT, WV 26330 304-933-3119

TRACT	WELL BORE TABLE FOR SURFACE / ROYALTY (SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	BRIAN L. TESLOVICH/SWN PRODUCTION COMPANY, ILC		50.91
2	JOHN A. CATULLO	D3-R36-157	39.50
3	LOUGHERY VICKIE C. & SHEENA R	03-837-41	41.00
4	ROY BFAULAC	03-B37-35	6.73
5	BEAULAC ROY R.	03-B37-37	
			2.208
6	PRINGLE WM E & JUNE	03-337-38	1.82
7	JOHNSON FRANK ET AL	03-837-40	4.61
8	LYNN JEFFERY H. & BRENDA S (SURV)	03-837-39	0.95
9	WALNOHA CAROL	03-836-47	7.26
10	MILLER JOSEPH R.	03-836-48	8.15
11	PRINGLE WILLIAM C.	03-B36-49	0,94
12	BIRKETT LARRY M & BARBARA A	03-B36-50	2.00
13.	HUFF JOHN W. & HELEN L.	03-B36-45	2.00
14	HUFF JOHN W & KEVIN S. (SURV)	03-836-43	0.45
15	HUFF JOWN W. &: KEVIN N. (SURV)	03-B36-42	0.46
16	ELLIGIT CHARLES D. & WANDA J. (SURV)	03-B35-41	3.147
17	SMITH MICHAEL & PAULA (SURV)	03-836-40	0.51
18	HILL MATHEW	03-836-36	0.36
19	HILL MATHEW	03-836-37	1.01
20	HUFF KEVIN NORMAN	03-836-35.1	0.745
21	SANDRETH RICHARD E. & CONNIE J.	D3-B36-34	0.959
22	HUNT BERNARD ELDSEN SR. & VIVIAN MARIE	03-B36-33	2,00
23	HUFF JOHN WALTER & HELEN (SURV)	03-B36-32	1.00
24	HUFF KEVIN M.	03-B36-38	18,53
25	OBRIEN CARLOS J. & BILLIE D.	03-B36-28	5,14
26	BLAKE LONNIE	03-B31-89	29.15
27	OBRIEN CARLOS J. & BILLIE D.	03-836-25	4.32
28	BLAKE LONNIE	03-B31-91	5.00
.29	BLAKE LONNIE V,	03-B31-94	4.22
30	HANCHER PAULA FAYE; NALE TIMOTHY (SURV)	03-B31-106	2.00
31	NOEL TIMOTHY L. SR & JANET L. (SURV)	03-831-107	0.96
32	STARKEY HAROLD	03-B31-104	34.04
33	LOUGH WILLIAM & BEVERLY (SURV)	03-831-110	7.59
34	GREEN RUN ROAD		
35	ULLOM ANDREW L.A.; LYNN JEFFREY H. (SURV)	03 B31-142	9.87
36	CLARK RANDOLPH L. & TAMMY R. (SURV)	03-831-141	12.65
37	CLARK RANDOLPH L & TAMMY R (SURV)	03-831-140	17.00
38	FRANCIS KETH R.	03-B31-139	11.99
39	SALEM THOMAS & PAULINE	03-B31-138	7.73
40	SUMMERS RODGER & CONNIE	03-B31-137	11.35
41	MCGLELLAND JERRY L. & ANGEL L. (SURV)	03-B31-136	9.18
42	BARONIO CURTIS R. & DONNA J. (SURV)	03-B31-135 03-B31-134	7.32 8.15
43	PARKS RONALD C. STEWART ROBERT J. SR. & MARGARET E. (SURV)	03-B31-133	7.88
45	STEWART ROBERT J. SR. & MARGARET E. (SURV)	03-B31-132	7.39
45	WALNOHA RAY	03-831-132	9.27
47	WALNOHA RAY	03-B31-05	28.01
48	COSS ROAD FARM, LLC	03-B31-118	17.18
49	HES LIMITED LIABILITY COMPANY	03-B31-04	15,2
50	BROOKE CO. RT 2	See Best Will	1,641
51	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	3-B27-11	
52	HES LIMITED LIABILITY COMPANY	3-831-03	15.78

TRACT	ADJOINING OWNERS TABLE SURFACE OWNER	TAV DADOE!	ACDE
A	COULTER LYNN: DAVID ET AL	03-B36-143	1.28
8	COLUMBIA GAS COMPANY	03-B36-144	0.048
C	WINDSOR POWER HOUSE COAL COMAPNY	03-B36-104	87.28
D	TAMMY S. MASSEY	03-B36L-39	0.5
E	LOUGHRIE FLOYD R. & DORIS M.	03-B36L-38	2,80
G	KEITH HAMILTON STILLION DANNY L. & THERESA E	03-B36L-37 03-B36L-40	5.10
Н	BRIAN TESLOVICH	03-B36L-40	2.00
1	CONLEY CHARLES & LINDA LOU	03-B36L-56	5.20
J	BEECH CREST IMPROVEMENT	03-B36L-58	0.52
180	LEMASTERS LARRY W. & LINDA J.	03-B36L-59	2.31
L	LEMASTERS HARLEY J. & REBECCA K.	03-B36-158	23.70
M	LEMASTERS HARLEY J. & REBECCA K.	03-B36-159	13,00
N	MILLER JOSEPH R.	03-B36-48	2.65
0	CIUMMO TARQUINIO; EMMA M; ANTONIO (SURV)	03-B36-156	33.53
P	MCCONKEY TIMOTHY T. & CATHERINE (SURV)	03-B36-153	18.38
Q R	MILLER JOSEPH R. ELLIOTT WILMA M.	03-B36-48 03-B36-52	0.32
S	ELLIOTT WILMA M.	03-836-53	0.14
T	ELLIOTT HAROLD EARL & LINDA JOAN (SURV)	03-B36-54	0.328
U	ELLIOTT HAROLD E. & LINDA J.	03-B36-55	0.172
V	ELLIOTT HAROLD E.	03-B36-56	0.49
W	ELLIOTT SCOTT CORWIN & TRACEY LYNN (SURV)	03-B36-58	0.47
×	BRENDA LONG	03-B36-59	0.50
Y	WILLIAMS CHARLES & MARSHA (SURV)	03-B36-27	1.75
2	WILLIAMS THURMAN E. JR	03-B36-29	1.75
AA	FULKS DONNA J.	03-B36-63	0.25
BB	RANDOLPH & CAROLYN ROXBY	03-B36-62	0.16
CC	ASHEROOK HARRY A.	03-B36-67	0.60
DD	BRIAN, JOHN & TIMOTHY LUCAS	03-836-24	0.478
EE FE	GRIZZLE HEYWARD H. & DORA G. HILDERBRAND ROBERT D. & CAROLYN (SURV)	03-836-17 03-831-86	6.07
GG	LONG JAMES J. & GERALDINE	03-831-86	2.30
HH	HUGGINS PERCY E. & DOROTHY I.	03-B31-88	2.00
H	BLAKE LONNIE V.	03-B31-90	5.00
Us.	THOMAS ROBERT LEE SR. & LINDA SUE	03-B31-109	1.40
KK	THOMAS BETTY A.	03-B31-85	0.94
LL	LYNN JEFFREY H. & BRENDA S. (SURV)	03-B31-144	4.98
MM	LYNN JEFFREY H. & BRENDA S. (SURV)	03-B31-143	3.41
NN	KYLE & KATLIN COOPER	03-B31-122	
00	LEMASTERS HARLEY J. & REBECCA K. (SURV)	D3-B31-123	2,00
PP	LEMASTERS HARLEY U	03-B31-124	3.44
QQ	DEBBIE STEWARD	03-B31-125	3.09
RR	LEMASTERS HARLEY J.	03-831-126	3.50
SS	GRIMM JAMES W.	03-B31-127 03-B31-128	4.95
UU	GRIMM JAMES W. & ROBIN LYNN (SURV) GRIMM JAMES W.	03-B31-128	4.71
VV	WEEKLY MARION; GROVES NANCY	03-B31-130	6.08
WW	TORBETT WILLIAM E	03-B31-131	5.31
XX	WALNOHA RAY	01-B31-6	26.00
m	HFS LIMITED LIABILITY COMPANY	03-B51-4	15.79
ZZ	COSS ROAD FARM LLC	03-831-114	183.28
AAA	FRANCIS KEITH R	03-B31-113.	26.33
BBB	GASVODA JOSEPH C. & KRISTIE J. (SURV)	03-831-112	0.17
CCC	GASVODA JOSEPH C. & KRISTIE J. (SURV)	03-831-111	0:94
BDD	MASLO FARMS LLC A PENNSYLVANIA LLC	03-B32-20	78.86
EEE	IVERSON STEVEN S.; GARRISON DEBRA	03-B31-101	2 09
FFF	IVERSON STEVEN & DEBRA (SURV)	03-B31-102	1.82
GGG	STEMPLE CHERYLL L.	03-B31-102	3.48
HHH	STEMPLE CHERYLL L.	03-B31-103	1.21
III	CORY LARKINS	03-B31-105 03-B31-95	2.52
ddd RRR	LUDWIG ARCHIE VERNON LUDWIG ARCHIE VERNON	03-B31-95 03-B31-96	1.20
KKK.	DOYLE ROGER W. & HEATHER N. (SURV)	03-831-108	0.82
MMM	THOMAS STEVEN	03-B31-97	4.83
NNN	BLAKE LONNIE & CARRIE R.	03-B31-92	10.00
000	FIBER KEVIN R. & SHIRLEY W. (SURV)	03-B31-93	1.00
PPP	BROWN MARILYN LEE	03-B32-152	3,41
QQQ	BROWN MARILYN LEE	03-B36-39	2,00
RRR	WEEKLEY KEVIN S.	03-B32-151	10.20
SSS	SNYDER JOHN M. & ROBIN L.	03-837-8	4,00
TIT	PHILLIPS CHRISTINE	03-B37-7	10.60
UUU.	HUFF JOHN W. & HELEN L (SURV)	03-B37-24	8,00
W	MILLER DEAN & KELL M. (SURV)	03-B37-25	2.00
WWW	FONDER ROBERT W. & BRENDA L.	03-B37-26	0.48
XXX	FONDER ROBERT W. & BRENDA L.	03-B37-27	0.72
YYY	AARON & KATIE GIBSON	03-837-28.1	4.06
ZZZ	GIBSON JAMES W. & LISA (SURV)	03-837-28	4.06
AAAA	CIBSON JAMES W. & LISA (SURV)	03-B37-29	0.82
BBBB	BURK THERESA	03-B37-30	1.00
CCCC	WALNOHA RALPH & CAROL	03-B37-32	
new.	WALNOHA RALPH & CAROL J.	03-B37-33	0.80
DDDD	WALNOHA RALPH JR & CAROL J.	03-B37-34	6.78
EEEE			100.59
EEEE FFFF	LOUGHERY VICKIE C. & SHEENA P. (SURV)	03-837-103	-
EEEE FFFF GGGG	LOUGHERY VICKIE C. & SHEENA P. (SURV) SMITH HEIRS	03-B37-105	3.89
EEEE FFFF GGGG HHHH	LOUGHERY VICKIE C. & SHEENA P. (SURV) SMITH HEIRS HUFF ROY & VIRGINIA C. (SURV)	03-B37-105 03-B37-106	3.89
EEEE FFFF GGGG HHHH	LOUGHERY VICKIE C. & SHEENA P. (SURV) SMITH HEIRS HUFF ROY & VIRGINIA C. (SURV) LEWIS GEORGE M. & JUDY	03-B37-105 03-B37-106 03-B37-107	3.89 2.00 2.00
EEEE FFFF GGGG HHHH IIII	LOUGHERY VICKIE C. & SHEENA P. (SURV) SMITH HEIRS HUFF ROY & VIRGINIA C. (SURV) LEWIS GEORGE M. & JUDY LEWIS GEORGE M. & JUDY A. (SURV)	03-B37-105 03-B37-106 03-B37-107 03-B37-41.1	3.89 2.00 2.00 5.56
EEEE FFFF GGCG HHHI IIII JJJJ KKKK	LOUGHERY VICKIE C. & SHEENA P. (SURV) SMITH HEIRS HUFF ROY & VIRGINIA C. (SURV) LEWIS GEORGE M. & JUDY LEWIS GEORGE M. & JUDY A. (SURV) HUFF JOHN JOSEPH & CHRISTINE C.	03-B37-105 03-B37-106 03-B37-107	3,89 2,00 2,00 5,50 1,08
EEEE FFFF GGCG BHHI III JJJJ KKKK ULLL	LOUGHERY VICKIE C. & SHEENA P. (SURV) SMITH HEIRS HUFF ROY & VIRGINIA C. (SURV) LEWIS GEORGE M. & JUDY LEWIS GEORGE M. & JUDY A. (SURV) HUFF JOHN JOSEPH & CHRISTINE C. NICHOLSON DANIEL A.	03-B37-105 03-B37-106 03-B37-107 03-B37-41.1 03-B37-116	3.89 2.00 2.00 5.50 1.08
EEEE FFFF GGCG HHHH IIII JJJJ KKKK LLLL MMMM	LOUGHERY VICKIE C. & SHEENA P. (SURV) SMITH HEIRS HUFF ROY & VIRGINIA C. (SURV) LEWIS GEORGE M. & JUDY LEWIS GEORGE M. & JUDY A. (SURV) HUFF JOHN JOSEPH & CHRISTINE C. NICHOLSON DANIEL A. LOUIS MILLER	03-B37-105 03-B37-106 03-B37-107 03-B37-41.1 03-B37-116 03-B37-117	3.89 2.00 2.00 5.56 1.08 1.10 29.4
EEEE FFFF GGCG HHHI IIII JJJJ KKKK	LOUGHERY VICKIE C. & SHEENA P. (SURV) SMITH HEIRS HUFF ROY & VIRGINIA C. (SURV) LEWIS GEORGE M. & JUDY LEWIS GEORGE M. & JUDY A. (SURV) HUFF JOHN JOSEPH & CHRISTINE C. NICHOLSON DANIEL A.	03-B37-105 03-B37-106 03-B37-107 03-B37-41.1 03-B37-116 03-B37-117 03-B36-125	3.89 2.00 2.00 5.50 1.08 1.10 29.4 5.7

API WELL	#:	47	009	5/200	HOA
	11	STATE	COLINTY	PERMIT	*

REVISIONS:	COMPANY:	SWN Production Company, LLC	SVA Production C	R ^L V ⁺ ®
	OPERATOR'S WELL #:	BRIAN TESLOVIO 405	CH BRK	DATE: 04-16-2020 DRAWN BY: K.E.S.
	DISTRICT: BUFFALO DISTRICT	COUNTY: BROOKE	STATE: WV	SCALE: N/A DRAWING NO: 175-057 WELL LOCATION PLAT 2

Brian Teslovich BRK 405H

WW-6A1 (5/13)

Operator's Well No.

INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE Chapter 22, Article 6A, Section 5(a)(5) IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

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

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

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty Book/Page
See Exhibit "A"			
			RECEIVED Office of Oil and Gas
			MAY 2 0 2020
			WV Department of Environmental Protection

*Co-tenancy utilization - At least 7 mineral owners in tract and at least 75% of those owners are leased

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, I	LLC				
By:	1		 	*****	 	
Its:	Staff Landman					

Interest Not Leased by SWN Production Company, LLC	%0								1.1%														
Book/Page	24/216	30/480	47/527	47/774	47/787	48/1	48/200	49/20		37/112			38/773	20/442	39/443	39/449	39/155	25/422	39/467	10.100	39/473	39/179	39/543
Royalty	17%		16.0%	16.0%	16.0%	16.0%	16.0%	16.0%		18.00%			14 00%	70000	16.00%	16.00%	76.00%	TD:00%	%UU 81		18 00%	18 00%	18.00%
Lessee	Chesapeake Appalachia, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC			Oll vacamo) acitarbad MMS	Combanies Company of the Company of	SWN Production Company, LLC	SWN Production Company, LLC	OMM Broduction	SWIN Production Company, LLC	SWN Production Company 11C	and the second company, and	SIAN Production Company 110	SWIN Floduction Commany, LLC	SWN Production Company, LLC SWN Production Company, LLC
Lessor	Mountainer Natural Gas Company		Martha E. Wakefield	Janet L. Debar, a/k/a Janet Agnew Debar	Mark Leavitt, single	Jean E. Leavitt, single	Thomas Leavitt, single	Alan Westelin and Sally A. Westelin, husband and	Royalty Owners	Anna May Miller, a widow dealing nerein with ner separate property	a married man dealing herein	with his separate property, and Lois A. Williams, a	married woman, delaing hereing with her sperate	,	Marilyn Miller, a widow	Joanne L. Turner, widow	Joseph R. N. Miller III, a married man, dealing herein	with his sperate property	Robert W. Dally, Jr., a single man represented bereinby Clifford E. Good as Dower of Attorney	1	Joyce n. Fornami, represented nerem by Attorney-in-	Patt Downly Millor a widow	Bevery Miller, a widow Donald A. Alexander, a married man, dealing herein with his separate property, Ronnie L. Alexander, a married man, dealing herein with his eperate property, August Robert Alexander, a married man, dealing herein with his separate property, Linda S. Greathouse, a married woman, dealing herein with her sperate property, Charlene LeMastes, a married woman, dealing herein with her seperate property, Wanda Bennet, a widow, dealing herein with her seperate property, Beverly Clifton-Lowe, a married woman, delaing herein with her seperate property, Norma Jean Schoene, a married woman, dealing herein with her seperate property, Dorothy Craft, a single woman, Nancy Postle, a married woman, dealing herein with her seperate property Mariorie Cook Deshazer, a widow
Tax Parcel	3-836-145								3-836-157	020 off off off off	SI Str	2 0 oartn ntal l	л Del	JO N/	N VV	u∃	ı						
Tract	1								2	9 P	su /Cl	E OIL	o ə: UE	إزاد	10								

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

inia Oil and Gas Permit Form, W Brian Teslovich BRK 405H Brooke County, West Virginia

Robert L. Miller, Jr., married, dealing herein with his separate property, represented herein by Attorney-				
in-Fact, Susanne M. Ross	SWN Production Company, LLC	18.00%	40/7	
Dennis Stroh, married, dealing herein with his				
separate property	SWN Production Company, LLC	14.00%	40/177	
Daniel Branch, a married man, dealing herein withhis				
separate property	SWN Production Company, LLC	14.00%	40/641	
Bobbete McCormick, married, dealing herein with				
her separate property	SWN Production Company, LLC	14.00%	41/202	
Nancy Stratford, f/k/a Nancy Miller, widow,				
represented herein by Margaret Miller as Power of				
Attorney	SWN Production Company, LLC	14.00%	41/684	
Peter Brade, married, dealing herein with his				-
separate property	SWN Production Company, LLC	14.00%	41/690	
Ray E. Lane, married, dealing herein with his				
separate property	SWN Production Company, LLC	14.00%	41/696	
George Diehl II, married, dealing herein with his				
separate property	SWN Production Company, LLC	14.00%	41/770	
James Branch, single	SWN Production Company, LLC	14.00%	41/782	
James Diehl, single	SWN Production Company, LLC	14.00%	41/788	
Janice Miller, single	SWN Production Company, LLC	14.00%	41/794	
Karen Binswanger, married, dealing herein with her				
separate property	SWN Production Company, LLC	14.00%	42/19	
Laurence B. Lane, married, dealing herein with his			,	
separate property	SWN Production Company, LLC	14.00%	42/43	
Margaret Miller, single	SWN Production Company, LLC	14.00%	42/67	
Marjorie Miller Winhoven, married, dealing herein				
withher separate property	SWN Production Company, LLC	18.00%	42/73	
Eric Price, married, dealing herein with his separate				
property	SWN Production Company, LLC	18.00%	46/786	
Frederick Anton Schneider, widow	SWN Production Company, LLC	18.00%	46/176	
Christine Herriott, f/k/a Christine George, married,				
dealing herein with her separate property	SWN Production Company, LLC	18.00%	46/182	
Susan Sprouse, f/k/a Susan Givens, married, dealing				
herein with her separate porperty	SWN Production Company, LLC	14.00%	46/296	
Sharral Novingar f/k/s Sharral Diarson single	SWN Production Company 11C	14 00%	46/483	
Orand Biograph single	SWM braduction Company, LEC	77 00%	701/21	
Darrei Pierson, single	SWIN Production Company, LLC	14.00/a	40/420	
Aljalita Scott, I/K/a Aljalita George, Illaliteu, uealigii harain with har constate property	SWN Broduction Company	18 00%	46/768	
Jean Weaver, married, dealing herein with her	Tinding topped the state of the		22.75	
separate property	SWN Production Company, LLC	18.00%	46/774	
Lawrence S. George II, a/k/a Stephen George,				
married herein with his separate property	SWN Production Company, LLC	18.00%	47/30	

WV Department of Environmental Protection

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PECEIVED Gas

	מסוווווב אא מורבו	SWN Production Company, LLC	10.00%	4//40
	Benjamin Price, single	SWN Production Company, LLC	18.00%	47/607
	Ernest N. Palmer, a widower, dealing herein with his			Œ.
	separate property	SWN Production Company, LLC	18.00%	39/461 ≥
	David Drummond, single	SWN Production Company, LLC	14.00%	50/721
	Diane Carol Givens, married, dealing herein with her			BE
	separate property	SWN Production Company, LLC	14.00%	50/733
	Jessica Marie Jensen, f/k/a Jessica Givens, married,			U
	dealing herein with her separate property	SWN Production Company, LLC	14.00%	50/754
	Jonathon Montgomery, single	SWN Production Company, LLC	14.00%	50/742
	Sherri Lynn Hugic, a divorced woman	SWN Production Company, LLC	16.00%	48/706
	Arthur D. Stoner aka Art Dwight Stoner, a divorced			
	man	SWN Production Company, LLC	16.00%	48/770
	Donald Geer and Dolores Ann Geer aka Dee Geer,			
	husband and wife	SWN Production Company, LLC	16.00%	48/778
	Pamela Sue Amadril, a divorced woman	SWN Production Company, LLC	16.00%	49/1
	Scott G. Duncan and Heather S. Duncan, husband			
	and wife	SWN Production Company, LLC	16.00%	49/141
	Mark Bryan Duncan and Cynthia Elizabeth Duncan,			
	husband and wife	SWN Production Company, LLC	16.00%	49/248
	Andres Glassow and Karen S. Glassow, husband and			
	wife	SWN Production Company, LLC	16.00%	49/300
	Sean Timothy Duncan, a divorced man	SWN Production Company, LLC	16.00%	49/438
	William H. M. Ryan	SWN Production Company, LLC	18.00%	57/466
	SWN Production Company, LLC			
	(Company owned minerals)			386/387
	Jerome Williams	SWN Production Company, LLC	14.00%	53/368
3-B37-41	Russell Greathouse & Linda Greathouse	Chesapeake Appalachia, LLC	18%	25/127
		SWN Production Company, LLC		30/480
3-837-35	Robert L. Mozingo and Betty Lou Mozingo, husband		18%	
	and wife	Chesapeake Appalachia, L.L.C.		29/455
		SWN Production Company, LLC		31/228
	Clarence Mozingo, a married man dealing in his sole		18%	
	and separate property	Chesapeake Appalachia, L.L.C.		29/607
		SWN Production Company, LLC		31/228
	Thomas Otis Brown, a married man dealing in his		18%	
	sole and separate property	Chesapeake Appalachia, L.L.C.		30/318
		SWN Production Company, LLC		31/228
	Fresh Oil Ministries	SWN Production Company, LLC	16%	69/68
	Virginia L. Ewing, a single woman	SWN Production Company, LLC	18%	39/491
	Alice Mozingo Clifton, widow	SWN Production Company, LLC	18%	39/522
	John Steven Robinson, married, dealing herein with	SWN Production Company, LLC	18%	
				001,00

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

Brian Teslovich BRK 405H Brooke County, West Virginia

Sussan Kelly Vollbrecht, married, dealing herein with SWN Production Company, LLC her separate property	SWN Production Company, LLC	18%	39/550	
James Michael Robinson, married, dealing herein	SWN Production Company, LLC	18%	30/558	
Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785	
Harriet Mozingo Cummings, married, deaing herein with har conserve property	SWN Production Company, LLC	18%	40/13	Oil ar
Joseph Izzo, single	SWN Production Company, LLC	18%	40/90	
Anthony A. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property Albert O. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%	40/97	
		•	40/104	
Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111	
Jack Keating, married, dealing herein with his separate property	SWN Production Company, LLC	18%	40/183	
**************************************	SWN Production Company, LLC	18%		
Doris McCormick, f/k/a Doris Keating, married,			40/190	
Robert E. Noah, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			41/702	
Jacqueline B. Johnson, married, deailng herein with her separate property	SWN Production Company, LLC	18%	41/744	
Jill Hoover, $f/k/a$ Jill Keating, married, dealing herein with her separate property	SWN Production Company, LLC	18%	41/751	
Kevin Noah, single	SWN Production Company, LLC	18%	42/37	
Larry Keating, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			42/317	
	SWN Production Company, LLC	18%		
Debra Jean Dawson f/k/a Debra Robinson, married,			9	
dealing herein with her separate property			42/329	
William Willard Keating, married, dealing herein with his separate property	rried, dealing herein with SWN Production Company, LLC	18%	42/483	
Paula Seckman, f/k/a (Paula Keating, married, dealing herein with her separate property	SWN Production Company, LLC	18%	42/290	
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497	
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%	013/61	
separate property		7007	42/040	
Gall Noan, single	SWN Production Company, LLC	18%	43/100	
Bruce Anderson, married, dealing herein with his separate property	SWN Production Company, LLC	18%	47/410	
Carolyn J. Johnson, married, dealing herein with her separate property	SWN Production Company, LLC	18%	45/742	
John W. Johnson, Jr., married, dealing herein with his	s SWN Production Company, LLC	18%	45/736	

EXHIBIT A
Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator
Brian Teslovich BRK 405H
Brooke County, West Virginia

Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC		7007)?
	own Production Company, LLC	18%		?(
with the separate property			38/47	SC
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407	0
d woman, dealing herein with	SWN Production Company, LLC	18%	41/737	7 X
ied man, dealing herein with	SWN Production Company, LLC	18%	000/11	AM AM IVW
nis separate property Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	SWN Production Company, LLC	18%	41/230	
separate property			41/732	
S Joan Giannini by her attorney in fact Lisa Giannini	SWN Production Company, LLC	18%	42/634	
	SWN Production Company, LLC	18%		
			46/290	
Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18%	39/515	
Ruth Elaine Rogerson, a married woman, dealing S herein with her separate property	SWN Production Company, LLC	18%	39/584	
ling herein with	SWN Production Company, LLC	18%	39/779	
man, dealing herein with his	SWN Production Company, LLC	18%		
separate property			40/48	
Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60	
Craig Dunn, a married man, deaing herein with his separate property	SWN Production Company, LLC	18%	40/66	
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84	
S Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a	SWN Production Company, LLC	18%		
single woman, represented herein by her attorney in			107/07	
Tact, Dennis J. Wneeler Kimharly R. Jackson, a marriad woman, dealing	SWN Production Company 110	18%	40/14/	
			40/159	
	SWN Production Company, LLC	18%	41/184	
d woman, dealing herein with	SWN Production Company, LLC	18%	000	
ner separate property Candica Owens, a married woman dealing herein	SWN Broduction Comman 11C	18%	41/190	
		2	41/208	
nan, dealing herein with	SWN Production Company, LLC	18%		
his separate property		100/	41/244	
ied man. dealing herein with	SWN Production Company, LLC	18%	41/0/14	
			41/776	
arried man, dealing herein with	SWN Production Company, LLC	18%	42/1	
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%	42/55	

Katherine A. Kuperer, a kal katherine Benro Kemper, a SWN Production Company, LLC 1878 47175 470 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC property	ate SWN Production Company, LLC	18%	41/226	guq (
Withoused women with Mercaning and Michouse Mich	per, aka	r, a SWN Production Company, LLC	18%		OEI OEI
SWN Production Company, LLC 18% 41/358 SWN Production Company, LLC 18% 47/42 SWN Production Company, LLC 18% 47/42 SWN Production Company, LLC 18% 47/233 SWN Production Company, LLC 18% 47/233 SWN Production Company, LLC 14% 39/413 SWN Production Company, LLC 14% 39/425 SWN Production Company, LLC 14% 39/425 SWN Production Company, LLC 14% 40/129 SWN Production Company, LLC 14% 40/143 SWN Production Company, LLC 14% 40/145 SWN Production Company, LLC 14% 40/165 SWN Production Company, LLC 14% 40/171 with SWN Production Company, LLC 14% 40/120 SWN Production Company, LLC 14% 40/120 SWN Production Company, LLC 14%	widowed woman			-	o O E
Robert Calvin Mocringo, Jr., single Sharen Clark, single Sharen Clark, single Sharen Clark, single Ranen Reparate property Roboration Rompany, LLC Ranen Ranen Clark, single Ranen R	Elwood McDougan, a widower	SWN Production Company, LLC	18%	ļ	الا وو ا
Staten Clark, single Karen Perry, married, dealing herein with her separate property Christine Ballato, fft/4 christine little, divorced, dealing herein with her separate property SunN Production Company, LLC Advision Ballato, fft/4 Christine Ballato, fft/4 Stephanie Priccifilo, a married woman, dealing herein with her separate property Susan Clark, single SunN Production Company, LLC Advision Ballato, fft/4 Christine Ballato, fft/4 Stephanie Priccifilo, a married man, dealing herein with her separate property Susan Clark, single SunN Production Company, LLC Advision Ballato, fft/4 Christine Ballato, and fft/4 Christin	Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%		7W ₩C
separate property. Ronald T. Clark, a married, dealing herein with her separate property. Ronald T. Clark an arried man dealing in his separate property. Ronald T. Clark an arried man dealing in his separate property. Bonoth R. Clark, a single man separate property. Separate property. Swin Production Company, LLC 14% Christine Ballato, ffk/a Stephanie Piccirillo, a Swin Production Company, LLC 14% Christine Ballato, ffk/a Christine Little, divorced, dealing herein with her separate property Auth his separate property Susan Clark, single Swin Arried, dealing herein with his Swin Production Company, LLC 14% Linda Miller, widow Swin Name, married, dealing herein with his Swin Production Company, LLC 14% Lund Noller, widow Swin Shamp, married, dealing herein with his Swin Production Company, LLC 14% Lund Miller, widow Swin Shamp, married, dealing herein with his Swin Production Company, LLC 14% Separate property Susan Shamp, married, dealing herein with his separate Swin Production Company, LLC 14% Separate property Lora Mae Dunn Gurule, married, dealing herein with Swin Production Company, LLC 14% Separate property Lora Mae Dunn Gurule, married, dealing herein with Swin Production Company, LLC 14% Separate property Lora Mae Dunn Gurule, married, dealing herein with Swin Production Company, LLC 14% Separate property Kevin Sario, married, dealing herein with Swin Production Company, LLC 14% Many Catherine Janeshek Kineckowski, a married Many Catherine Janeshek Mieczkowski, a married Many Catherine Janeshek, a married man Carpany Mobert I. Mozingo and Berty Lou Mozingo, husband Chesapeadary Droppaty Morett L. Mozingo and Berty Lou Mozingo, husband S		SWN Production Company, LLC	18%		,
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Round T. Clark, a married man dealing in his SWN Production Company, LLC 18% John R. Clark, a single man SWN Production Company, LLC 14% Donothy Dean, widow Swn Production Company, LLC 14% Donothy Dean, widow Swn Production Company, LLC 14% Christine Ballato, fl/k/a Stephanie Piccirilo, a SWN Production Company, LLC 14% Christine Ballato, fl/k/a Christine Little, divorced, Gealing herein with her separate property sames. R Prochiol a married man, dealing herein with her separate property Swn Production Company, LLC 14% Jeanes R. Prochiol a married dealing herein with her separate property Swn Production Company, LLC 14% Jean Clark, single Swn Production Company, LLC 14% Jean Clark, single Swn Syn Production Company, LLC 14% Jean Clark, single Swn Syn Production Company, LLC 14% Jean Swn Sharp, married, dealing herein with his SWN Production Company, LLC 14% Jean Swn Sharp, married, dealing herein with his SWN Production Company, LLC 14% Jean Swa Sharp, married, dealing herein with his SWN Production Company, LLC 14% Jean Swa Sharp, married, dealing herein with his separate property Separate property Jean Mae Dunn Gurule, married man, dealing herein with SWN Production Company, LLC 14% Jean Swa Sharp, married dealing herein with his SWN Production Company, LLC 14% Jean Separate property Revin Salo Mary Catherine Janeshek Croce, single Swn Production Company, LLC Chancey T. Hall, a married man dealing herein with SWN Production Company, LLC Chancey T. Hall, a married man Herein with Swn Production Company, LLC Hardines Mary Catherine Janeshek Meczekowski, a married Mennan, dealing in her separate property Swn Production Company, LLC Hardines Meczekowski, a married Mennan, dealing in her separate property Swn Production Company, LLC Hardines Meczekowski, a married Mennan, dealing in her separate property Swn Production Company, LLC Hardines Meczekowski, a married Mennan, dealing in her separate property Swn Production Company, LLC Hardines Meczekowski, a married Mennan, dealing in her separate prop				47/42	
Separate property Stephanie L. Blundon, ffk/a stephanie Piccirillo, a SWN Production Company, LLC Stephanie L. Blundon, ffk/a Stephanie Piccirillo, a SWN Production Company, LLC Stephanie L. Blundon, ffk/a Stephanie Piccirillo, a SWN Production Company, LLC Thistine Ballato, ffk/a Christine Little, divorced, dealing Berein with her separate property James R. Piccirillo, a married man, dealing herein With his separate property Susan Clark, single Junda Miller, widow SWN Production Company, LLC Linda Miller, widow SWN Production Company, LLC Linda Miller, widow SWN Production Company, LLC Linda Miller, widow SWN Production Company, LLC SWN Production Company, LLC Linda Miller, widow SWN Production Company, LLC SWN Production Company, LLC Linda Miller, widow Londar Berein with his separate SWN Production Company, LLC Linda Miller, widow SWN Production Company, LLC SWN Production Company, LLC Linda Miller, widow SWN Production Company, LLC SWN Production Company, LLC Linda Miller, widow SWN Production Company, LLC Linda Mille	narried	SWN Production Company, LLC	18%		
Dorothy Dean, single man SWN Production Company, LLC 14%	separate property			47/131	
Dorothy Dean, wildow Stephanie J Bundon, flk/a Stephanie Piccirillo, a SWN Production Company, LLC 14% married woman, dealing herein with her separate property dealing herein with her separate property lames R. Piccirillo, a married man, dealing herein with his separate property Susan Clark, single Linda Miller, widow Susan Shamp, married, dealing herein with his SWN Production Company, LLC 14% Susan Shamp, married, dealing herein with his SWN Production Company, LLC 14% Susan Shamp, married, dealing herein with his SWN Production Company, LLC 14% Susan Shamp, married, dealing herein with his SWN Production Company, LLC 14% Susan Shamp, married, dealing herein with his SWN Production Company, LLC 14% Susan Shamp, married, dealing herein with his SWN Production Company, LLC 14% Susan Shamp, married, dealing herein with his SWN Production Company, LLC 14% Susan Shamp, married, dealing herein with his SWN Production Company, LLC 14% Feren Sand, married, dealing herein with his SWN Production Company, LLC 14% Feren Sand, married, dealing herein with his separate property Lora Mae Dum Gurule, married, dealing herein with SWN Production Company, LLC 14% Feren Sand, married, dealing herein with his separate property Chauncey T, Hall, a married man, dealing herein with SWN Production Company, LLC 14% Feren Sand, dealing in her separate property Alice Younne Janeshek Mieczkowski, a married woman, dealing in her separate property Losaber L Mozingo and Betty Lou Mozingo, husband Allock L L. Mozingo and Betty Lou Mozingo, husband and wife Chautery T. L. Sunder Sunder Sunder Sunder Sunder Sunder L L. Company, LLC. 188 Robert L Mozingo and Betty Lou Mozingo, husband Allock L Mozingo and Betty	John R. Clark, a single man	SWN Production Company, LLC	18%	47/233	
Stephanie J. Blundon, ffk/a Stephanie Piccirillo, a married woman, dealing herein with her separate property Christine Ballato, ffk/a Christine Little, divorced, dealing herein married man, dealing herein muth her separate property SWN Production Company, LLC SWN Production Company, LLC J4% Deborah McGrath, ffk/a Deborah Little, married, SWN Production Company, LLC Linda Miller, widow with her separate property Susan Clark, single SWN Production Company, LLC J4% Swan Clark, single J5% Swan Clark, single J5% Swan Clark, single J5% Swan Production Company, LLC J4% Swan Clark, single J5% Swan Clark, single J5% Swan Production Company, LLC J4% Swan Shamp, married, dealing herein with his SWN Production Company, LLC Sparate property Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC Lora Mae Dunn Gurule, married, dealing herein with his separate SWN Production Company, LLC Reproperty Chauncey T. Hall, a married man, dealing herein with his separate SWN Production Company, LLC Alice Yoonne Janeshek Mieczkowski, a married woman, dealing in her separate property Robert L. Mozingo and Betty Lou Mozingo, husband Robert L. Mozingo and Betty Lou Mozingo, husband And wife Chaucey Chaucey Chaucey And wife Chespaeake Appalachla, L.L.C. Aller Appalachla, L.L.C. 14% SWN Production Company, LLC 14% Aller Voonne Janeshek Mieczkowski, a married woman, dealing in her separate property Robert L. Mozingo and Betty Lou Mozingo, husband And wife Change Chance Appalachla, L.L.C. Aller Appalachla, L.L.C. Aller Voonne Janeshek Mieczkowski, a married Aller Voonne Janeshek Janeshek, a married Chance Swan Production Company, LLC Aller Voonne Janeshek Janeshek, a married Woman, dealing in her separate property Robert L. Mozi	Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413	
married woman, dealing herein with her separate property Christine Ballato, f/l/a Christine Little, divorced, dealing herein with her separate property Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Lynn Oroian, single SWN Production Company, LLC Separate property Revin Sarlo, married, dealing herein with his separate SWN Production Company, LLC Her separate property Chaurcey T. Hall, a married man, dealing herein with his separate SWN Production Company, LLC His separate property Chaurcey T. Hall, a married man, dealing herein with his separate SWN Production Company, LLC Mary Catherine Janeshek Mieczkowski, a married Noman, dealing in her separate property Robert L. Mozingo and Betty Lou Mozingo, husband Robert L. Mozingo and	Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%		
Christine Ballato, ffk/a Christine Little, divorced, dealing herein with her separate property James R. Piccirillo, a married man, dealing herein with his separate property Deborah McGrath, ffk/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Lynn Oroian, single Lynn Oroian, single Lynn Oroian, single Lynn Oroian, single Swn Production Company, LLC Linda Miller, widow Swn Production Company, LLC Swn Santh, married, dealing herein with his Swn Production Company, LLC Susan Santh, married, dealing herein with his Swn Production Company, LLC Susan Shann, married, dealing herein with his Swn Production Company, LLC Susan Shann, married, dealing herein with his separate property Lora Mae Dunn Gurule, married, dealing herein with his separate Swn Production Company, LLC Her separate property Chauncey T. Hall, a married man, dealing herein with Swn Production Company, LLC His separate property Chauncey T. Hall, a married man, dealing herein with Swn Production Company, LLC His separate property Chauncey T. Hall, a married man, dealing herein with Swn Production Company, LLC His separate property Chauncey T. Hall, a married man, dealing herein with Swn Production Company, LLC His separate property Chauncey T. Hall, a married man, dealing here broperty Swn Production Company, LLC His separate property His separate property His separate prop	married woman, dealing herein with her separate				
Christine Ballato, f/k/a Christine Little, divorced, dealing herein with her separate property James R. Picchillo, a married man, dealing herein with his separate property SWN Production Company, LLC Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property SWN Production Company, LLC Lynn Orolan, single SWN Production Company, LLC SWN Production Company, LLC 14% Hars separate property Chauncey T. Hall, a married, dealing herein with his separate SWN Production Company, LLC 14% Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Robert L. Mozingo and Betty Lou Mozingo, husband Robert L. Mozingo and Betty Lou Mozingo, husband Chesapeake Appalachia, L.L.C.	property			39/419	
Christine Ballato, f/k/a Christine Little, divorced, dealing herein with her separate property James R. Piccrillio, a married man, dealing herein with his separate property Swn Production Company, LLC Lynn Orolan, single Lynn Orolan, LLC Lynn Orolan, single Lynn Orolan, LLC Lynn		SWN Production Company, LLC	14%		
dealing herein with her separate property James R. Piccirillo, a married man, dealing herein with his separate property Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Lynn Ordian, single Susan Clark, single Susan Clark, single Lynn Ordian, single Lynn Ordian, single Susan Shamp, married, dealing herein with his SWN Production Company, LLC Separate property Susan Shamp, married, dealing herein with his SWN Production Company, LLC Separate property Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC Separate property Lora Mae Dunn Gurule, married, dealing herein with his separate SWN Production Company, LLC Separate property Channotes T. Hall, a married man, dealing herein with SWN Production Company, LLC Property Channotes T. Hall, a married man, dealing herein with SWN Production Company, LLC SWN Pr	Christine Ballato, f/k/a Christine Little, divorced,				
lames R. Piccirillo, a married man, dealing herein SWN Production Company, LLC 14% With his separate property Deborah McGrath, f/K/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Lynn Oroian, Sawn Oroian, Linn Lynn Lynn Lynn Lynn Lynn Lynn Lynn	dealing herein with her separate property			39/425	
with his separate property Deborah McGrath, f/Ka Deborah Little, married, dealing herein with her separate property Susan Clark, single Linda Miller, widow Susan Shamp, married, dealing herein with his SWN Production Company, LLC Linda Miller, widow Susan Shamp, married, dealing herein with his SWN Production Company, LLC Susan Shamp, married, dealing herein with his SWN Production Company, LLC Susan Shamp, married, dealing herein with his separate SWN Production Company, LLC Linda Miller, widow Susan Shamp, married, dealing herein with his separate SWN Production Company, LLC Susan Shamp, married, dealing herein with his separate SWN Production Company, LLC Linda Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC Linda Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC Linda Mae Dunn Gurule, married, man, dealing herein with SWN Production Company, LLC Linda May Catherine Janeshek Croce, single SWN Production Company, LLC Linda Mary Catherine Janeshek Mieczkowski, a married woman, dealing in her separate property Loseph Janeshek, a married man SWN Production Company, LLC Linda Maeshek, a married man Chesapeake Appalachia, L.L.C. Robert L. Mozingo and Betty Lou Mozingo, husband Chesapeake Appalachia, L.L.C. Linda L	James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC	14%		
Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Lynn Oroian, single SWN Production Company, LLC Swan Shamp, married, dealing herein with his SWN Production Company, LLC Separate property Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC Separate property Lora Mae Dunn Gurule, married, dealing herein with separate SWN Production Company, LLC Separate property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC Property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC SWN Prod	with his separate property			39/431	
Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Lynn Oroian, single Lynn Production Company, LLC Lynn Oroian, single Lynn Oroian, single Lynn Oroian, single Lynn Production Company, LLC Lynn Oroian, single Lynn Bonald James Smith, married, dealing herein with his SWN Production Company, LLC Separate property Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC Lynn Gaprate property Lora Mae Dunn Gurule, married, dealing herein with his separate SWN Production Company, LLC Lynn Chauncey T. Hall, a married man, dealing herein with SWN Production Company, LLC Lynn Chauncey T. Hall, a married man, dealing herein with SWN Production Company, LLC Lynn Chauncey T. Hall, a married man, dealing in her separate property Mary Catherine Janeshek Mieczkowski, a married woman, dealing in her separate property Loseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Robert L. Mozingo and Betty Lou Mozingo, husband Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	14%		
dealing herein with her separate property Susan Clark, single Lynn Oroian, single Lynn Oroian, single Lynn Oroian, single Lynn Oroian, single Linda Miller, widow Donald James Smith, married, dealing herein with his SWN Production Company, LLC Susan Shamp, married, dealing herein with her SWN Production Company, LLC Susan Shamp, married, dealing herein with his SWN Production Company, LLC Susan Shamp, married, dealing herein with is separate SWN Production Company, LLC Her separate property Chauncey T. Hall, a married man, dealing herein with SWN Production Company, LLC Droperty Chauncey T. Hall, a married man, dealing herein with SWN Production Company, LLC Droperty Alice Yvonne Janeshek Mieczkowski, a married Woman, dealing in her separate property Alice Yvonne Janeshek Mieczkowski, a married Woman, dealing in her separate property SWN Production Company, LLC 14% Alice Yvonne Janeshek Mieczkowski, a married Woman, dealing in her separate property SWN Production Company, LLC Take Alice Yvonne Janeshek Mieczkowski, a married Woman, dealing in her separate property SWN Production Company, LLC Take Ta	Deborah McGrath, f/k/a Deborah Little, married,				
Susan Clark, single Swn Production Company, LLC Lynn Oroian, single Linda Miller, widow Swn Production Company, LLC Lynn Oroian, single Linda Miller, widow Swn Production Company, LLC Separate property Susan Shamp, married, dealing herein with his SWN Production Company, LLC Separate property Lora Mae Dunn Gurule, married, dealing herein with separate SWN Production Company, LLC Separate property Lora Mae Dunn Gurule, married, dealing herein with his separate SWN Production Company, LLC Separate property Revin Sarlo, married, dealing herein with his separate SWN Production Company, LLC Droperty Chauncey T. Hall, a married man, dealing herein with SWN Production Company, LLC His separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property SWN Production Company, LLC 14% Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Loseph Janeshek, a married man SWN Production Company, LLC 14% SWN Production Company, LLC 14% Alice Yvonne Janeshek, a married woman, dealing in her separate property Loseph Janeshek, a married man SWN Production Company, LLC 14% Alice Woman, dealing in her separate property Loseph Janeshek, a married And Wife Robert L. Mozingo and Betty Lou Mozingo, husband and wife				39/762	
Lynn Oroian, single Linda Miller, widow SWN Production Company, LLC Bonald James Smith, married, dealing herein with his SWN Production Company, LLC Separate property Susan Shamp, married, dealing herein with her SWN Production Company, LLC Separate property Lora Mae Dunn Gurule, married, dealing herein with his separate property Lora Mae Dunn Gurule, married, dealing herein with his separate SWN Production Company, LLC property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC Mary Catherine Janeshek Croce, single SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife SWN Production Company, LLC 14% SWN Production Company, LLC	Susan Clark, single	SWN Production Company, LLC	14%	40/129	
Linda Miller, widow Donald James Smith, married, dealing herein with his SWN Production Company, LLC Susan Shamp, married, dealing herein with her SWN Production Company, LLC Susan Shamp, married, dealing herein with her SWN Production Company, LLC Lora Mae Dunn Gurule, married, dealing herein with his separate SWN Production Company, LLC Revin Sarlo, married, dealing herein with his separate SWN Production Company, LLC Revin Sarlo, married man, dealing herein wih SWN Production Company, LLC Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married Alice Yvonne Janeshek Mieczkowski, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Robert L. Mozingo and Betty Lou Mozingo, husband and wife	Lynn Oroian, single	SWN Production Company, LLC	14%	40/135	
Donald James Smith, married, dealing herein with his SWN Production Company, LLC separate property Susan Shamp, married, dealing herein with her separate property Lora Mae Dunn Gurule, married, dealing herein with his separate SWN Production Company, LLC here separate property Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC 14% Mary Catherine Janeshek Mileczkowski, a married woman, dealing in her separate property Noman, dealing in her separate property SWN Production Company, LLC 14% Alice Yvonne Janeshek Mileczkowski, a married woman, dealing in her separate property Is SWN Production Company, LLC 14% Alice Yvonne Janeshek, a married man SWN Production Company, LLC 14% Alice Wozingo and Betty Lou Mozingo, husband Chesapeake Appalachia, L.L.C.	Linda Miller, widow	SWN Production Company, LLC	14%	40/141	
Susan Shamp, married, dealing herein with her SWN Production Company, LLC 14% separate property Lora Mae Dunn Gurule, married, dealing herein with his separate SWN Production Company, LLC 14% her separate property Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC 14% property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC 14% his separate property Mary Catherine Janeshek Mieczkowski, a married woman, dealing in her separate property Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man SWN Production Company, LLC 14% and wife Chauschild on Mozingo, husband and wife	Donald James Smith, married, dealing herein with h	his SWN Production Company, LLC	14%		
Susan Shamp, married, dealing herein with her separate property Lora Mae Dunn Gurule, married, dealing herein with his separate swn Production Company, LLC her separate property Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Chesapeake Appalachia, L.L.C.	separate property			40/165	
separate property Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC her separate property Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married and wife Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C.	Susan Shamp, married, dealing herein with her	SWN Production Company, LLC	14%		
Lora Mae Dunn Gurule, married, dealing herein with separate property Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Chesapeake Appalachia, L.L.C.		- 1		40/171	
her separate property Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Chesapeake Appalachia, L.L.C.	Lora Mae Dunn Gurule, married, dealing herein wit		14%		
Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC 14% property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC 14% his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC 14% Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man SWN Production Company, LLC 14% and wife Chesapeake Appalachia, L.L.C.	- 1			42/61	
Property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Chesapeake Appalachia, L.L.C.	Kevin Sarlo, married, dealing herein with his separa	ate SWN Production Company, LLC	14%		
Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Chesapeake Appalachia, L.L.C.	property			42/477	
his separate property Mary Catherine Janeshek Croce, single SWN Production Company, LLC SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Chesapeake Appalachia, L.L.C.	Chauncey T. Hall, a married man, dealing herein wi		14%		
Mary Catherine Janeshek Croce, single SWN Production Company, LLC 14% SWN Production Company, LLC 14% Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man SWN Production Company, LLC 14% Robert L. Mozingo and Betty Lou Mozingo, husband and wife Chesapeake Appalachia, L.L.C.	his separate property			39/297	
Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife SWN Production Company, LLC SWN Production Company, LLC Applachia, L.L.C.	Mary Catherine Janeshek Croce, single	SWN Production Company, LLC	14%	40/20	
Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife		SWN Production Company, LLC	14%		
woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife	Alice Yvonne Janeshek Mieczkowski, a married				
Joseph Janeshek, a married man SWN Production Company, LLC 14% Robert L. Mozingo and Betty Lou Mozingo, husband and wife and wife	woman, dealing in her separate property			40/26	
Robert L. Mozingo and Betty Lou Mozingo, husband and wife and wife	Joseph Janeshek, a married man	SWN Production Company, LLC	14%	40/32	
Chesapeake Appalachia, L.L.C.		pı	18%		
	and wife	Chesapeake Appalachia, L.L.C.		29/455	_

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Office of Oil and Gas

WV Department of
Environmental Protection

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and separate property Si	Cnesapeake Appalachia, L.L.C. SWN Production Company, LLC		31/228
Thomas Otis Brown, a married man dealing in his		18%	
	Chesapeake Appalachia, L.L.C.		30/318
	SWN Production Company, LLC		31/228
Fresh Oil Ministries SV	SWN Production Company, LLC	16%	39/69
single woman	SWN Production Company, LLC	18%	39/491
	SWN Production Company, LLC	18%	39/522
d, dealing herein with	SWN Production Company, LLC	18%	
			39/529
nt, married, dealing herein with	SWN Production Company, LLC	18%	
her separate property			39/550
on, married, dealing herein	SWN Production Company, LLC	18%	
with his separate property			39/558
Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785
arried, deaing herein	SWN Production Company, LLC	18%	
with her separate property			40/13
	SWN Production Company, LLC	18%	40/90
arried, dealing herein with his	SWN Production Company, LLC	18%	
	:		40/97
ried, dealing herein with his	SWN Production Company, LLC	18%	
separate property			40/104
athleen Izzo, widow	SWN Production Company, LLC	18%	40/111
vith his	SWN Production Company, LLC	18%	
			40/183
	SWN Production Company, LLC	18%	
Doris McCormick, f/k/a Doris Keating, married,			
dealing herein with her separate property			40/190
Robert E. Noah, married, dealing herein with his SV	SWN Production Company, LLC	18%	
separate property			41/702
Jacqueline B. Johnson, married, deailng herein with S\	SWN Production Company, LLC	18%	
her separate property			41/744
Jill Hoover, f/k/a Jill Keating, married, dealing herein S\	SWN Production Company, LLC	18%	
with her separate property			41/751
Kevin Noah, single	SWN Production Company, LLC	18%	42/37
Larry Keating, married, dealing herein with his SV	SWN Production Company, LLC	18%	
			42/317
15	SWN Production Company, LLC	18%	
Debra Jean Dawson f/k/a Debra Robinson, married,			
dealing herein with her separate property			42/329
William Willard Keating, married, dealing herein with SWN Production Company, LLC	WN Production Company, LLC	18%	
his separate property			42/483
ied,	SWN Production Company, LLC	18%	
destination is a section of the second section and the second section is section to the section is section to the second section is section to the section is section to the second section is section to the section to the section is section to the section to the section is section to the section to t			



Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator	Brian Teslovich BRK 405H	Brooke County, West Virginia
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SWN Production Company, LLC SW		בייין די וטממניוטון כטוווףמויץ, בבכ		101/71
SWN Production Company, LLC SW		SWN Production Company, LLC	18%	
SWN Production Company, LLC SW				42/640
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	43/166
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	separate property			47/410
SWN Production Company, LLC SW		SWN Production Company, LLC	18%	
SWN Production Company, LLC SW	separate property			45/742
SWN Production Company, LLC SW	John W. Johnson, Jr., married, dealing herein with his	SWN Production Company, LLC	18%	
SWN Production Company, LLC SW	separate property			45/736
SWN Production Company, LLC SWN Production C	Virginia C. Michael, a married woman, dealing herein	SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	with her separate property			38/47
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	39/407
SWN Production Company, LLC SWN Production C	1	SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C				41/232
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	his separate property			41/238
SWN Production Company, LLC SWN Production C	Thomas Clark, a married man, dealing herein with his!	SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	separate property			41/732
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	Joan Giannini, by her attorney in fact Lisa Giannini			42/634
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	with his separate property			46/290
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	39/515
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	herein with her separate property			39/584
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	her separate property			39/779
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	separate property			40/48
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	40/60
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%	
SWN Production Company, LLC 18%	separate property			40/66
SWN Production Company, LLC 18%		SWN Production Company, LLC	18%	40/84
SWN Production Company, LLC		SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production Company, LLC with SWN Production Company, LLC 18%	single woman, represented herein by her attorney in			
SWN Production Company, LLC SWN Production Company, LLC 18% with SWN Production Company, LLC 18% SWN Production Company, LLC 18%	fact, Dennis J. Wheeler			40/147
w SWN Production Company, LLC 18% sd woman, dealing herein with SWN Production Company, LLC 18% 18% side woman, dealing herein with SWN Production Company, LLC 18% 18% 18%		SWN Production Company, LLC	18%	
sd woman, dealing herein with SWN Production Company, LLC 18% sided woman, dealing herein with SWN Production Company, LLC 18%	herein with her separate property			40/159
ed woman, dealing herein with SWN Production Company, LLC 18%		SWN Production Company, LLC	18%	41/184
riod woman dosling based is CIAIN Braduction Commun 116		SWN Production Company, LLC	18%	
CIAIN Droduction Company 110	her separate property			41/190
calidice Owers, a married womail, dealing herein Savia Production Company, LLC		0::	100,	



his separate property			41/244
Megan McClain, single	SWN Production Company, LLC	18%	41/672
Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/776
John Mossgrove, a married man, dealing herein with	SWN Production Company, LLC	18%	
separate property			42/1
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			42/55
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC	SWN Production Company, LLC	18%	
property			41/226
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	SWN Production Company, LLC	18%	
widowed woman			42/25
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489
Sharen Clark, single	SWN Production Company, LLC	18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property			47/42
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%	
separate property			47/131
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%	
married woman, dealing herein with her separate			
property			39/419
	SWN Production Company, LLC	14%	
Christine Ballato, f/k/a Christine Little, divorced,			
dealing herein with her separate property			39/425
James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC	14%	
with his separate property			39/431
	SWN Production Company, LLC	14%	
Deborah McGrath, f/k/a Deborah Little, married,			
dealing herein with her separate property			39/762
Susan Clark, single	SWN Production Company, LLC	14%	40/129
Lynn Oroian, single	SWN Production Company, LLC	14%	40/135
Linda Miller, widow	SWN Production Company, LLC	14%	40/141
Donald James Smith, married, dealing herein with his SWN Production Company, LLC	SWN Production Company, LLC	14%	
separate property			40/165
Susan Shamp, married, dealing herein with her	SWN Production Company, LLC	14%	
separate property			40/171
Lora Mae Dunn Gurule, married, dealing herein with	SWN Production Company, LLC	14%	
her separate property			42/61
Keyin Sarlo married dealing herein with his senarate SWN Production Company 110	SW/N Production Company 117	7/1/	
Nevin Sandy manned, acamillo ner em missischer ack	י מאוא וויסממכנוכון ככווים אוויאי דבר	7470	

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

	<u>ia</u>
Brian Teslovich BRK 405H	Brooke County, West Virgini

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39/297	40/20		40/26	40/32		29/455	31/228		29/607	31/228		30/318	31/228	39/69	39/491	39/522		39/529	1	39/550	39/558	39/785		40/13	40/90		40/97	40/104	40/111		40/183		40/190		41/702		41/744
14%	14%	14%		14%	18%			18%			18%			16%	18%	18%	18%		18%	100/	R/OT	18%	18%		18%	18%	, ,	%OT	18%	18%	į	18%		18%		18%	
SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		_ Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	- 1	SWN Production Company, LLC	Office and Constitution of Maria	SWIN FLOGUCION COMPANY, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	:	SWIN FIGURCION COMPANY, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	ı	SWN Production Company, LLC	ı
Chauncey T. Hall, a married man, dealing herein wih his separate property	Mary Catherine Janeshek Croce, single		Alice Yvonne Janesnek Mieczkowski, a married woman, dealing in her separate property	Joseph Janeshek, a married man	Robert L. Mozingo and Betty Lou Mozingo, husband	and wife		Clarence Mozingo, a married man dealing in his sole	and separate property		Thomas Otis Brown, a married man dealing in his	sole and separate property		Fresh Oil Ministries	Virginia L. Ewing, a single woman	Alice Mozingo Clifton, widow	John Steven Robinson, married, dealing herein with	his separate property	Sussan Kelly Vollbrecht, married, dealing herein with	her separate property	with his congrate property	Thomas Allan Robinson, single	Harriet Mozingo Cummings, married, deaing herein	with her separate property	Joseph Izzo, single	Anthony A. Izzo, married, dealing herein with his	separate property	Albert O. 1220, married, dealing nerem with ms	Kathy Ziklo f/k/a Kathleen Izzo, widow	Jack Keating, married, dealing herein with his	separate property	Daris McCamish #11/2 Daris Marting married	dealing herein with her separate property	Robert E. Noah, married, dealing herein with his	separate property	Jacqueline B. Johnson, married, deailng herein with	her separate property

Kavin Nosh single	SWN Broduction Company 11C	18%	42/37
larry Keating married dealing herein with his	SWIN Production Company 11C	18%	1
separate property			42/317
	SWN Production Company, LLC	18%	
Debra Jean Dawson T/K/a Debra Robinson, married, dealing herein with her separate property			42/329
William Willard Keating, married, dealing herein with SWN Production Company, LLC	SWN Production Company, LLC	18%	
his separate property			42/483
Paula Seckman, f/k/a (Paula Keating, married,	SWN Production Company, LLC	18%	
dealing herein with her separate property			42/290
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			42/640
Gail Noah, single	SWN Production Company, LLC	18%	43/166
Bruce Anderson, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			47/410
Carolyn J. Johnson, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property	ŀ		45/742
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC	SWN Production Company, LLC	18%	
separate property	,		45/736
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	SWN Production Company, LLC	18%	
with her separate property	ŀ		38/47
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407
Diana Smyth, a married woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property	ı		41/232
Donald Dalton, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/238
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	SWN Production Company, LLC	18%	
separate property			41/732
	SWN Production Company, LLC	18%	
Joan Giannini, by her attorney in fact Lisa Giannini			42/634
Harold Rex Strawn, a married man, dealing herein	SWN Production Company, LLC	18%	
with his separate property	,		46/290
Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18%	39/515
Ruth Elaine Rogerson, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			39/584
Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property			39/779
Bruce Dunn, a married man, dealing herein with his	SWN Production Company, LLC	18%	
separate property	ī		40/48
Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60
Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%	
separate property			40/66
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84



I helma Dunn Wheeler, aka I helma Dunn Wheeler, a single woman. represented herein by her attorney in			
fact, Dennis J. Wheeler			40/147
Kimberly R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			40/159
Barbara Parrish, widow	SWN Production Company, LLC	18%	41/184
Becky Loewe, a married woman, dealing herein with	ł	18%	
her separate property			41/190
Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%	
with her separate property			41/208
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/244
Megan McClain, single	SWN Production Company, LLC	18%	41/672
Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/776
John Mossgrove, a married man, dealing herein with SWN Production Company, LLC	SWN Production Company, LLC	18%	
separate property			42/1
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			42/55
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC	e SWN Production Company, LLC	18%	
property	ı		41/226
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	a SWN Production Company, LLC	18%	
widowed woman			42/25
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489
Sharen Clark, single	SWN Production Company, LLC	18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property	,		47/42
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%	
separate property			47/131
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%	
married woman, dealing herein with her separate			
property			39/419
	SWN Production Company, LLC	14%	
Christine Ballato, f/k/a Christine Little, divorced,			
dealing herein with her separate property	1		39/425
James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC	14%	
with his separate property			39/431
	SWN Production Company, LLC	14%	
Deborah McGrath, f/k/a Deborah Little, married,			
dealing borois with her consents property			1,00
dealing herein with her separate property			39//65

	Brooke Co	Brooke County, West Virginia		
	Lynn Orojan, single	SWN Production Company, LLC	14%	40/135 ENA 40/135 AD
	Linda Miller, widow	SWN Production Company, LLC	14%	
	Donald James Smith, married, dealing herein with his SWN Production Company, LLC	SWN Production Company, LLC	14%	
	separate property	:		40/165
	Susan Shamp, married, dealing herein with her	SWN Production Company, LLC	14%	
	separate property			40/171
	Lora Mae Dunn Gurule, married, dealing herein with	SWN Production Company, LLC	14%	
	her separate property			42/61
	Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC	SWN Production Company, LLC	14%	
	property			42/477
	Chauncey T. Hall, a married man, dealing herein wih	SWN Production Company, LLC	14%	
	his separate property			39/297
	Mary Catherine Janeshek Croce, single	SWN Production Company, LLC	14%	40/20
		SWN Production Company, LLC	14%	
	Alice Yvonne Janeshek Mieczkowski, a married	:		
	woman, dealing in her separate property			40/26
	Joseph Janeshek, a married man	SWN Production Company, LLC	14%	40/32
3-B37-40	Robert L. Mozingo and Betty Lou Mozingo, husband		18%	
	and wife	Chesapeake Appalachia, L.L.C.		29/455
		SWN Production Company, LLC		31/228
	Clarence Mozingo, a married man dealing in his sole		18%	
	and separate property	Chesapeake Appalachia, L.L.C.		29/607
		SWN Production Company, LLC		31/228
	Thomas Otis Brown, a married man dealing in his		18%	
	sole and separate property	Chesapeake Appalachia, L.L.C.		30/318
		SWN Production Company, LLC		31/228
	Fresh Oil Ministries	SWN Production Company, LLC	16%	69/68
	Virginia L. Ewing, a single woman	SWN Production Company, LLC	18%	39/491
	Alice Mozingo Clifton, widow	SWN Production Company, LLC	18%	39/522
	John Steven Robinson, married, dealing herein with	SWN Production Company, LLC	18%	
	his separate property			39/529
	Sussan Kelly Vollbrecht, married, dealing herein with	SWN Production Company, LLC	18%	
	her separate property			39/220
	James Michael Robinson, married, dealing herein	SWN Production Company, LLC	18%	
	with his separate property			39/228
	Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785
	Harriet Mozingo Cummings, married, deaing herein	SWN Production Company, LLC	18%	
	with her separate property	:		40/13
	Joseph Izzo, single	SWN Production Company, LLC	18%	40/90
	Anthony A. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%	
	separate property			40/97
	Albert O. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%	
	separate property			40/104
		**************************************	-	



1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SWN Production Company, LLC	18%	
Doris MicCormick, 1/k/a Doris Keating, married, dealing herein with her separate property			40/190
Robert E. Noah, married, dealing herein with his separate property	SWN Production Company, LLC	18%	41/702
son, married, deailng herein with ertv	SWN Production Company, LLC	18%	41/744
eating, married, dealing herein berty	SWN Production Company, LLC	18%	41/751
	SWN Production Company, LLC	18%	42/37
Larry Keating, married, dealing herein with his separate property	SWN Production Company, LLC	18%	42/317
n f/k/a Debra Robinson. married	SWN Production Company, LLC	18%	
dealing herein with her separate property			42/329
William Willard Keating, married, dealing herein with SWN Production Company, LLC	SWN Production Company, LLC	18%	
his separate property			42/483
ied,	SWN Production Company, LLC	18%	
dealing herein with her separate property		ı	42/290
	SWN Production Company, LLC	18%	42/497
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
		í	42/640
Gail Noah, single	SWN Production Company, LLC	18%	43/166
Bruce Anderson, married, dealing herein with his separate property	SWN Production Company, LLC	18%	47/410
. married. dealing herein with her	SWN Production Company, LLC	18%	•
			45/742
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC separate property	SWN Production Company, LLC	18%	45/736
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC with her separate property	SWN Production Company, LLC	18%	38/47
	SWN Production Company, LLC	18%	39/407
d woman, dealing herein with	SWN Production Company, LLC	18%	44 /222
Donald Dalton, a married man, dealing herein with	SWN Production Company, LLC	18%	4T/73
	-	1	41/238
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC congate property	SWN Production Company, LLC	18%	41/732
	SWN Production Company, LLC	18%	
Joan Giannini, by her attorney in fact Lisa Giannini			42/634
ied man, dealing herein	SWN Production Company, LLC	18%	000,00
with his separate property			



herein with her separate property			39/584
Karen Kim, a married woman, dealing herein with her separate property	SWN Production Company, LLC	18%	39/779
Bruce Dunn, a married man, dealing herein with his	SWN Production Company, LLC	18%	40/48
Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60
Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%	
separate property			40/66
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84
Thelms Dunn Wheeler sks Thelms Dunn Wheeler s	SWN Production Company, LLC	18%	
single woman, represented herein by her attorney in			777/04
Kimberly R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%	17 /01
herein with her separate property	:		40/159
Barbara Parrish, widow	SWN Production Company, LLC	18%	41/184
Becky Loewe, a married woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property		i	41/190
Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%	
with her separate property		aa0	41/208
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%	•
his separate property			41/244
Megan McClain, single	SWN Production Company, LLC	18%	41/672
Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property		1	41/776
John Mossgrove, a married man, dealing herein with	SWN Production Company, LLC	18%	
separate property		1	42/1
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property		1	42/55
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC	SWN Production Company, LLC	18%	
property		200	41/226
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	SWN Production Company, LLC	18%	
widowed woman		1	42/25
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489
Sharen Clark, single	SWN Production Company, LLC	18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property			47/42
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%	
separate property		i	47/131
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233

39/425 14% 39/431 14% 40/129 14% 40/135 14% 40/141 14% 40/141 14% 40/171 14% 42/61 14% 42/477 14% 39/297	39/425 39/431 39/762 40/129 40/141 40/171 42/61 42/477 39/297	14% 39/425 14% 39/431 14% 39/762 14% 40/129 14% 40/135 14% 40/171 14% 40/171 14% 40/26 14% 40/26 14% 40/26 14% 29/455 18% 29/607 18% 30/318	39/425 14% 39/431 14% 39/431 14% 40/129 14% 40/135 14% 40/141 14% 40/171 14% 40/20 14% 40/26 14% 40/26 14% 29/455 18% 29/607 18% 30/318	39/425 14% 39/431 14% 39/431 14% 40/129 14% 40/135 14% 40/141 14% 40/171 14% 40/171 14% 40/20 14% 40/26 14% 40/32 18% 39/297 14% 29/697 31/228 18% 30/318 31/228 16% 39/69	39/425 14% 39/431 14% 39/431 14% 40/129 14% 40/135 14% 40/141 14% 40/171 14% 40/171 14% 40/20 14% 40/32 18% 39/297 14% 40/32 18% 39/297 18% 39/297 31/228 18% 30/318 31/228 18% 39/69 18% 39/69	14% 14% 14% 14% 14% 14% 14% 14% 14% 14%
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EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

Brian Teslovich BRK 405H Brooke County, West Virginia Wy Department of Environmental Protection

0202 0 2 VAM

with this separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his separate property Thomas Allan Robinson, married, dealing herein with his SWN Production Company, LLC Thomas Allan Robinson, married, dealing herein with his SWN Production Company, LLC Thomas Allan Robinson, married, dealing herein with his SWN Production Company, LLC Thomas Allan Robinson, married, dealing herein with his SWN Production Company, LLC Thomas Allan Robinson, married, dealing herein with his SWN Production Company, LLC Thomas Allan Robinson, married, dealing herein with his SWN Production Company, LLC Thomas Allan Robinson, married, dealing herein with his SWN Production Company, LLC Thomas Allan Robinson, Manuaried, dealing herein with his SWN Production Company, LLC Thomas Allan				
39/558 SWN Production Company, LLC SWN Production Company	James Michael Robinson, married, dealing herein	SWN Production Company, LLC	18%	
SWN Production Company, LLC 18% 39/785 SWN Production Company, LLC 18% 40/90 SWN Production Company, LLC 18% 40/90 SWN Production Company, LLC 18% 40/104 SWN Production Company, LLC 18% 40/1104 SWN Production Company, LLC 18% 40/130 SWN Production Company, LLC 18% 41/744 SWN Production Company, LLC 18% 42/37 SWN Production Company, LLC 18% 42/37 SWN Production Company, LLC 18% 42/329 SWN Production Company, LLC 18% 42/343 SWN Production Company, LLC 18% 42/493 SWN Production Company, LLC 18% 42/493 SWN Production Company, LLC 18% 42/490 SWN Production Company, LLC 18% 42/336 SWN Production Company, LLC 18% <t< td=""><td>with his separate property</td><td></td><td></td><td></td></t<>	with his separate property			
SWN Production Company, LLC 18% 40/33 SWN Production Company, LLC 18% 40/90 SWN Production Company, LLC 18% 40/104 SWN Production Company, LLC 18% 40/1104 SWN Production Company, LLC 18% 40/130 SWN Production Company, LLC 18% 41/744 SWN Production Company, LLC 18% 42/37 SWN Production Company, LLC 18% 42/37 SWN Production Company, LLC 18% 42/329 SWN Production Company, LLC 18% 42/329 SWN Production Company, LLC 18% 42/329 SWN Production Company, LLC 18% 42/497 SWN Production Company, LLC 18% <t< td=""><td>Thomas Allan Robinson, single</td><td>SWN Production Company, LLC</td><td>18%</td><td></td></t<>	Thomas Allan Robinson, single	SWN Production Company, LLC	18%	
40/13 SWN Production Company, LLC SSWN Production Company, LLC	Harriet Mozingo Cummings, married, deaing herein	SWN Production Company, LLC	18%	
SWN Production Company, LLC 18% 40/90 SWN Production Company, LLC 18% 40/104 SWN Production Company, LLC 18% 40/1101 SWN Production Company, LLC 18% 40/1101 SWN Production Company, LLC 18% 40/1301 SWN Production Company, LLC 18% 41/744 SWN Production Company, LLC 18% 42/317 SWN Production Company, LLC 18% 42/317 SWN Production Company, LLC 18% 42/329 SWN Production Company, LLC 18% 42/348 SWN Production Company, LLC 18% 42/493 SWN Production Company, LLC 18% 42/393 SWN Production Company, LLC 18% 42/393 SWN Production Company, LLC 18%	with her separate property			
SWN Production Company, LLC 18% 40/97 SWN Production Company, LLC 18% 40/1104 SWN Production Company, LLC 18% 40/1101 SWN Production Company, LLC 18% 40/183 SWN Production Company, LLC 18% 41/761 SWN Production Company, LLC 18% 42/377 SWN Production Company, LLC 18% 42/377 SWN Production Company, LLC 18% 42/329 SWN Production Company, LLC 18% 42/483 SWN Production Company, LLC 18% 42/497 SWN Production Company, LLC 18% 45/742 SWN Production Company, LLC 18%	Joseph Izzo, single	SWN Production Company, LLC	18%	
SWN Production Company, LLC SW	Anthony A. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%	
SWN Production Company, LLC SW	separate property			
SWN Production Company, LLC SW	Albert O. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%	07.00
SWN Production Company, LLC SW	separate property			40/104
SWN Production Company, LLC SW	Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111
SWN Production Company, LLC 18%	lack Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	separate property			40/183
SWN Production Company, LLC SWN Production C	Ooris McCormick. f/k/a Doris Keating. married.	SWN Production Company, LLC	18%	
SWN Production Company, LLC SW	dealing herein with her separate property			40/190
SWN Production Company, LLC SW	Robert E. Noah, married, dealing herein with his	SWN Production Company, LLC	18%	
SWN Production Company, LLC SWN Production C	separate property			41/702
SWN Production Company, LLC SW	acqueline B. Johnson, married, deailng herein with	SWN Production Company, LLC	18%	
SWN Production Company, LLC SW	ner separate property			41/744
SWN Production Company, LLC SWN Production C	ill Hoover, f/k/a Jill Keating, married, dealing herein	SWN Production Company, LLC	18%	
SWN Production Company, LLC SW	with her separate property			41/751
SWN Production Company, LLC SWN Production C	(evin Noah, single	SWN Production Company, LLC	18%	42/37
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	arry Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	eparate property			42/317
SWN Production Company, LLC 18% SWN Production Company, LLC 18%		SWN Production Company, LLC	18%	
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	Debra Jean Dawson f/k/a Debra Robinson, married,			
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	lealing herein with her separate property			42/329
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	Villiam Willard Keating, married, dealing herein with	SWN Production Company, LLC	18%	
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	iis separate property			42/483
SWN Production Company, LLC 18%	aula Seckman, f/k/a (Paula Keating, married,	SWN Production Company, LLC	18%	
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	lealing herein with her separate property			42/290
SWN Production Company, LLC 18%	shley Anderson, single	SWN Production Company, LLC	18%	42/497
SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC 18% S SWN Production Company, LLC 18% S SWN Production Company, LLC 18% SWN Production Company, LLC 18%	lichard Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
SWN Production Company, LLC 18%	eparate property			42/640
SWN Production Company, LLC 18%	sail Noah, single	SWN Production Company, LLC	18%	43/166
SWN Production Company, LLC 18% s SWN Production Company, LLC 18% SWN Production Company, LLC 18% SWN Production Company, LLC 18%	sruce Anderson, married, dealing herein with his	SWN Production Company, LLC	18%	
SWN Production Company, LLC 18% S SWN Production Company, LLC 18% SWN Production Company, LLC 18%	eparate property		į	47/410
18% 18% 18%	Jarolyn J. Johnson, married, dealing herein with her Jeparate property	SWN Production Company, LLC	18%	45/742
18%	ohn W. Johnson, Jr., married, dealing herein with his	SWN Production Company, LLC	18%	!
18%	separate property irrinia C. Michael a married woman dealing herein	SWN Production Company 11C	78%	45/736
SWN Production Company, LLC	with her separate property			38/47
	velyn Pasco, a widow	SWN Production Company, LLC	18%	39/407

EXHIBIT A

	Brooke Co	Brooke County, West Virginia		
6 1 8 6 6	Diana Smyth, a married woman, dealing herein with	SWN Production Company, LLC	18%	NISO NISO NISO NISO NISO NISO NISO NISO
4 D	her separate property Donald Dalton, a married man, dealing herein with	SWN Production Company, LLC	18%	41/232
	his separate property Thomas Clark a married man dealing herein with his	dealing herein with his SWN Production Company 11.C	18%	41/238
				41/732
	Joan Giannini. by her attorney in fact Lisa Giannini	SWN Production Company, LLC	%8T	42/634
		SWN Production Company, LLC	18%	
	with his separate property Shirley Ann Dunn Wheeler a widow	SWN Production Company 11C	18%	46/290 39/515
	Ruth Elaine Rogerson, a married woman, dealing	SWN Production Company, LLC	18%	
	herein with her separate property			39/584
	Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC	18%	0
	her separate property Rrice Dinn a married man dealing berein with his	SWN Broduction Company 110	78	39/7/9
	separate property			40/48
	Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60
	Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%	
	separate property			40/66
	Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84
		SWIN Production Company, LLC	70%	
	I neima Dunn Wheeler, aka I neima Dunn Wheeler, a single woman, represented herein by her attorney in			
	fact, Dennis J. Wheeler			40/147
	Kimberly R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%	
	herein with her separate property			40/159
	Barbara Parrish, widow	SWN Production Company, LLC	18%	41/184
	Becky Loewe, a married woman, dealing herein with	SWN Production Company, LLC	18%	
	her separate property		,	41/190
	Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%	41/208
	Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%	200
	his separate property			41/244
	Megan McClain, single	SWN Production Company, LLC	18%	41/672
	Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	18%	
	his separate property			41/776
	John Mossgrove, a married man, dealing herein with	SWN Production Company, LLC	18%	77 (7
	separate property Leclie C Hildehrand a married woman dealing	SWN Production Company 11C	18%	42/1
	herein with her separate property			42/55
	Cindy L. Rasmussen, dealing herein with her separate	erein with her separate SWN Production Company, LLC	18%	
	property		,000	41/226
	Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	SWN Production Company, LLC	%X	

EXHIBIT A

4 7 0 0 9 0 0 3 1 Stached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRK 405H

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SWN Production Company, LLC SW	46/489 47/36 47/42 EVED 47/131 47/233 OFFE OFFE OFFE OFFE OFFE OFFE OFFE OF	39/419	39/425 39/431	39/762 40/129 40/135	40/165 40/171 42/61	42/477 39/297 40/20 40/26 40/32	29/455 31/228 29/607
	18% 18% 18% 18% 14%	14%	14%	14% 14% 14%	14% 14% 14%	14% 14% 14%	18%
Robert Calvin Mozingo, Jr., single Sharen Clark, single Sharen Clark, single Sharen Clark, single Karen Perry, married, dealing herein with her separate property Ronald T. Clark, a married man dealing in his separate property John R. Clark, a single man Dorothy Dean, widow Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a married woman, dealing herein with her separate property Christine Ballato, f/k/a Christine Little, divorced, dealing herein with her separate property James R. Piccirillo, a married man, dealing herein with his separate property Susan Clark, single Lynn Oroian, single Linda Miller, widow Donald James Smith, married, dealing herein with his separate property Susan Shamp, married, dealing herein with her separate property Lora Mae Dunn Gurule, married, dealing herein with her separate property Kevin Sarlo, married, dealing herein with his separate property Chauncey T. Hall, a married man, dealing herein wih his separate property Mary Catherine Janeshek Mieczkowski, a married woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozingo, husband and wife Clarence Mozingo, a married man dealing in his sole and separate property	SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C.
	Robert Calvin Mozingo, Jr., single Sharen Clark, single Karen Perry, married, dealing herein with her separate property Ronald T. Clark, a married man dealing in his separate property John R. Clark, a single man Dorothy Dean, widow	Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a married woman, dealing herein with her separate property	Christine Ballato, f/k/a Christine Little, divorced, dealing herein with her separate property James R. Piccirillo, a married man, dealing herein with his separate property	Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Lynn Oroian, single Linda Miller, widow Donald James Smith, married, dealing herein with his	separate property Susan Shamp, married, dealing herein with her separate property Lora Mae Dunn Gurule, married, dealing herein with her separate property Kevin Sarlo, married, dealing herein with his separate	T. Hall, a marriate property herine Janeshek herine Janeshek Mune Janeshek Museshek Museshek Maealing in her se marrianeshek, a marrianeshek,	Robert L. Mozingo and Betty Lou Mozingo, husband and wife Clarence Mozingo, a married man dealing in his sole and separate property

אסוב מווח אבליםומוב לווחליםו ול	Cilesapeake Appaiacilia, L.L.C.			
			30/318	S
	SWN Production Company, LLC		31/228	es
Fresh Oil Ministries	SWN Production Company, LLC	16%	39/69	0 1 1 1 1
Virginia L. Ewing, a single woman	SWN Production Company, LLC	18%	39/491	50 su ∧∈
Alice Mozingo Clifton, widow	SWN Production Company, LLC	18%	39/522	0 !!!
John Steven Robinson, married, dealing herein with	SWN Production Company, LLC	18%		7 01 3E
his separate property			39/529	Jei Je∫ } } }
Sussan Kelly Vollbrecht, married, dealing herein with	SWN Production Company, LLC	18%		1 ∧ 7W 40
her separate property			39/220	vi ,
James Michael Robinson, married, dealing herein	SWN Production Company, LLC	18%		
with his separate property			39/558	
Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785	
Harriet Mozingo Cummings, married, deaing herein	SWN Production Company, LLC	18%		
with her separate property			40/13	
Joseph Izzo, single	SWN Production Company, LLC	18%	40/90	
Anthony A. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			40/97	
Albert O. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%		
			40/104	
Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111	
Jack Keating, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			40/183	
	SWN Production Company, LLC	18%		
Doris McCormick, f/k/a Doris Keating, married,				
dealing herein with her separate property			40/190	
Robert E. Noah, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			41/702	
Jacqueline B. Johnson, married, deailng herein with	SWN Production Company, LLC	18%	į	
her separate property	- 1		41/744	
Jill Hoover, f/k/a Jill Keating, married, dealing herein with her separate property	SWN Production Company, LLC	18%	41/751	
Kevin Noah, single	SWN Production Company, LLC	18%	42/37	
Larry Keating, married, dealing herein with his separate property	SWN Production Company, LLC	18%	42/317	
	SWN Production Company, LLC	18%		
Debra Jean Dawson f/k/a Debra Robinson, married,			016/11	
ueaning herein with her separate property William Willard Keating married dealing herein with SWN Production Company 11C	SWN Production Company, 11C	18%	676/74	
his separate property			42/483	
Paula Seckman, f/k/a (Paula Keating, married,	SWN Production Company, LLC	18%		
dealing herein with her separate property			42/290	
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497	
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%		

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EXHIBIT A
Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator
Brian Teslovich BRK 405H
Brooke County, West Virginia

			2007 60	
Gail Noah, single	SWN Production Company, LLC	18%	43/166	_
Bruce Anderson, married, dealing herein with his separate property	SWN Production Company, LLC	18%	47/410	200
Carolyn J. Johnson, married, dealing herein with her separate property	SWN Production Company, LLC	18%	45/742	will by being by Solution of the Solution of t
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC separate property	s SWN Production Company, LLC	18%	45/736	1600
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC with her separate property	ו SWN Production Company, LLC	18%	38/47	i de
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407	
Diana Smyth, a married woman, dealing herein with her separate property	SWN Production Company, LLC	18%	41/232	
Donald Dalton, a married man, dealing herein with his separate property	SWN Production Company, LLC	18%	41/238	
ied man, d	ealing herein with his SWN Production Company, LLC	18%	41/732	
Joan Giannini, by her attorney in fact Lisa Giannini	SWN Production Company, LLC	18%	42/634	
Harold Rex Strawn, a married man, dealing herein with his separate property	SWN Production Company, LLC	18%	46/290	
Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18%	39/515	
Ruth Elaine Rogerson, a married woman, dealing	SWN Production Company, LLC	18%	20/59/	
Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC	18%	100/00	
her separate property			39/779	
Bruce Dunn, a married man, dealing herein with his	SWN Production Company, LLC	18%	07/07	
Angels Anderson diversed	CIA/NI Droduction Community	100/	40/60	
Augela Allacisott, divolced	SWM Production Company, ELC	19%	00/04	
craig burni, a manneu man, deamg nerem wich ms separate property	SWIN FIOGRACIOII COMPANY, ELC	V07	40/66	
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84	
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a	SWN Production Company, LLC	18%		
single woman, represented herein by her attorney in fact. Dennis I. Wheeler			40/147	
Kimberly R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%		
herein with her separate property			40/159	
Barbara Parrish, widow	- 1	18%	41/184	
Becky Loewe, a married woman, dealing herein with her separate property	SWN Production Company, LLC	18%	41/190	
Candice Owens, a married woman, dealing herein with her separate property	SWN Production Company, LLC	18%	41/208	
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%	41/244	
וווז שבשמומוב או חשבו נא			117/11	

Gerald McClain, a married man, dealing herein with his separate property	SWN Production Company, LLC	18%	41/776	and (VED)
John Mossgrove, a married man, dealing herein with separate property	SWN Production Company, LLC	18%	42/1	S O
Leslie C. Hildebrand, a married woman, dealing herein with her separate property	SWN Production Company, LLC	18%	42/55	YAN Aged '
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC property	e SWN Production Company, LLC	18%	41/226	M M J
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC widowed woman	a SWN Production Company, LLC	18%	42/25	77
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758	And a state of the
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489	The state of the s
Sharen Clark, single	SWN Production Company, LLC	18%	47/36	
Karen Perry, married, dealing herein with her senarate property	SWN Production Company, LLC	18%	47/42	
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%		
separate property	:		47/131	
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233	
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413	
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%		
married woman, dealing herein with her separate property			39/419	
Christine Ballato f/k/a Christine Little, divorced	SWN Production Company, LLC	14%		
dealing herein with her separate property			39/425	
James R. Piccirillo, a married man, dealing herein with his senarate property	SWN Production Company, LLC	14%	39/431	
	SWN Production Company, LLC	14%		
Deborah McGrath, f/k/a Deborah Little, married,	:			
dealing herein with her separate property			39/762	
Susan Clark, single	SWN Production Company, LLC	14%	40/129	
Lynn Oroian, single	SWN Production Company, LLC	14%	40/135	
Linda Miller, widow	SWN Production Company, LLC	14%	40/141	
Donald James Smith, married, dealing herein with his SWN Production Company, LLC	s SWN Production Company, LLC	14%		
			40/165	
Susan Shamp, married, dealing herein with her	SWN Production Company, LLC	14%		
separate property	- 1		40/171	
Lora Mae Dunn Gurule, married, dealing herein with her separate property	SWN Production Company, LLC	14%	42/61	
Kevin Sarlo, married, dealing herein with his separate	e SWN Production Company, LLC	14%		
property			42/477	
Chauncey T. Hall, a married man, dealing herein wih his senarate nronerty	SWN Production Company, LLC	14%	39/297	
יוים טרף מו מר הו טף בו ני			102/00	

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Alice Yvonne Janeshek Mieczkowski, a m. woman, dealing in her separate property Joseph Janeshek, a married man Robert L. Mozingo and Betty Lou Mozing and wife Clarence Mozingo, a married man dealing and separate property		SWN Production Company, LLC	2		YY Dui Jay
	Mieczkowski, a married separate property			40/26	
3-B36-48 Robert L. Mozingo and and wife and wife Clarence Mozingo, a mand separate property	ried man	SWN Production Company, LLC	14%		S S
and wife Clarence Mozingo, a ma and separate property	Robert L. Mozingo and Betty Lou Mozingo, husband		18%		割
Clarence Mozingo, a magand separate property		Chesapeake Appalachia, L.L.C.		29/455	TUUO TW
and separate property	arried man dealing in his sole	Carlo	18%		ואענ
	ı	Chesapeake Appalachia, L.L.C.		29/607	3
	Annuary Archive (Archive de Archive de Septembris d'Adrichée de des de Lancie de Archive de Lancie de Constitu	SWN Production Company, LLC		31/228	
Thomas Otis Brown, a r	Thomas Otis Brown, a married man dealing in his		18%		
sole and separate property	erty	Chesapeake Appalachia, L.L.C.		30/318	
		SWN Production Company, LLC		31/228	
Fresh Oil Ministries		SWN Production Company, LLC	16%	39/68	
Virginia L. Ewing, a single woman	le woman	SWN Production Company, LLC	18%	39/491	
Alice Mozingo Clifton, widow	vidow	SWN Production Company, LLC	18%	39/522	
John Steven Robinson, i	John Steven Robinson, married, dealing herein with	SWN Production Company, LLC	18%		
his separate property				39/529	
Sussan Kelly Vollbrecht, married, d	, married, dealing herein with	SWN Production Company, LLC	18%		
her separate property				39/220	
James Michael Robinson, married,	n, married, dealing herein	SWN Production Company, LLC	18%		
with his separate property				39/558	
Thomas Allan Robinson, single	, single	SWN Production Company, LLC	18%	39/785	
Harriet Mozingo Cumm	Harriet Mozingo Cummings, married, deaing herein	SWN Production Company, LLC	18%		
with her separate property	erty			40/13	
Joseph Izzo, single		SWN Production Company, LLC	18%	40/90	
Anthony A. Izzo, married, dealing	d, dealing herein with his	SWN Production Company, LLC	18%		
separate property				40/97	and the second s
Albert O. Izzo, married, dealing herein with his	dealing herein with his	SWN Production Company, LLC	18%		
separate property				40/104	
Kathy Ziklo f/k/a Kathleen Izzo, widow	en Izzo, widow	SWN Production Company, LLC	18%	40/111	
Jack Keating, married, dealing herein with his	lealing herein with his	SWN Production Company, LLC	18%		
separate property		OWN Broduction Community	18%	40/183	
Doris McCormick f/k/a	Doris McCormick f/k/a Doris Keating married	SAVIA FLOGRACIONI COMPANY, EEC	201		
dealing herein with her senarate property	senarate property			40/190	
Robert F Noah married	Robert F. Noah married dealing herein with his	SWN Production Company 11C	18%	200	
separate property	0		•	41/702	
Jacqueline B. Johnson, married, de	married, deailng herein with	SWN Production Company, LLC	18%	The second secon	
her separate property		:		41/744	
Jill Hoover, f/k/a Jill Keating, marri	iting, married, dealing herein	SWN Production Company, LLC	18%		
with her separate property	erty			41/751	
Kevin Noah, single		SWN Production Company, LLC	18%	42/37	
Larry Keating, married, dealing herein with his	dealing herein with his	SWN Production Company, LLC	18%		

th SWN Production Company, LLC 18% 42/393 SWN Production Company, LLC 18% 42/497 SWN Production Company, LLC 18% 42/497 SWN Production Company, LLC 18% 42/742 is SWN Production Company, LLC 18% 45/736 is SWN Production Company, LLC 18% 45/736 is SWN Production Company, LLC 18% 38/47 SWN Production Company, LLC 18% 38/47 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 39/584 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 39/584 SWN Production Company, LLC 18% 40/60	Transfer Of Lang 4/1/2 Dohra Bohinson marriad	SWN Production Company, LLC	18%		
18	dealing herein with her separate property			42/329	
SWN Production Company, LLC 18% 42/290 SWN Production Company, LLC 18% 42/497 SWN Production Company, LLC 18% 42/490 SWN Production Company, LLC 18% 43/166 SWN Production Company, LLC 18% 45/742 SWN Production Company, LLC 18% 45/736 SWN Production Company, LLC 18% 41/233 SWN Production Company, LLC 18% 41/238 SWN Production Company, LLC 18% 41/238 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 4	William Willard Keating, married, dealing herein with	SWN Production Company, LLC	18%	201/07	
SWN Production Company, LLC SW	Paula Seckman, f/k/a (Paula Keating, married,	SWN Production Company, LLC	18%	604/74	
SWN Production Company, LLC 18% 42/497 SWN Production Company, LLC 18% 43/166 SWN Production Company, LLC 18% 47/410 SWN Production Company, LLC 18% 45/736 SWN Production Company, LLC 18% 45/736 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40	dealing herein with her separate property	:			
SWN Production Company, LLC 18% 42/640 SWN Production Company, LLC 18% 47/410 SWN Production Company, LLC 18% 45/742 SWN Production Company, LLC 18% 45/736 SWN Production Company, LLC 18% 38/47 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 46/290 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/6	Ashley Anderson, single	SWN Production Company, LLC	18%		S
SWN Production Company, LLC 18% 42/640 SWN Production Company, LLC 18% 47/410 SWN Production Company, LLC 18% 45/742 SWN Production Company, LLC 18% 38/47 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 40/60 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/6		SWN Production Company, LLC	18%		<i>්</i>
SWN Production Company, LLC 18% 43/166 SWN Production Company, LLC 18% 47/410 SWN Production Company, LLC 18% 45/736 SWN Production Company, LLC 18% 38/47 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/4	separate property				JSU JUG
SWN Production Company, LLC 18% 47/410 SWN Production Company, LLC 18% 45/742 SWN Production Company, LLC 18% 38/47 SWN Production Company, LLC 18% 31/407 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/84 SWN Production Company, LLC 40/48 <td>Gail Noah, single</td> <td>SWN Production Company, LLC</td> <td>18%</td> <td></td> <td>100 Z</td>	Gail Noah, single	SWN Production Company, LLC	18%		100 Z
SWN Production Company, LLC 18% 45/742 SWN Production Company, LLC 18% 45/736 SWN Production Company, LLC 18% 39/407 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 39/514 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/	_	SWN Production Company, LLC	18%		ους Ο (Ο (Ο (
SWN Production Company, LLC 18% 45/736 SWN Production Company, LLC 18% 39/407 SWN Production Company, LLC 18% 41/233 SWN Production Company, LLC 18% 41/233 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 39/518 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/66 </td <td>separate property</td> <td></td> <td>4007</td> <td></td> <td>Jed Jed</td>	separate property		4007		Jed Jed
5 SWN Production Company, LLC 18% 45/736 5 SWN Production Company, LLC 18% 39/407 5 SWN Production Company, LLC 18% 41/232 5 SWN Production Company, LLC 18% 41/233 5 SWN Production Company, LLC 18% 41/732 5 SWN Production Company, LLC 18% 42/634 5 SWN Production Company, LLC 18% 39/515 5 SWN Production Company, LLC 18% 40/48 5 SWN Production Company, LLC 18% 40/66 5 SWN Production Company, LLC 18% 40/66 5 SWN Production Company, LLC 18% 40/84 5 SWN Production Company, LLC 18% 40/84 5 SWN Production Company, LLC 18% 40/84 6 SWN Production Company, LLC	carolyna, Johnson, manned, dealing nerein with her separate property	SWIN FIGURCIOII COIIIDAIIY, EEC	70%		AN Designation
5WN Production Company, LLC 18% 38/47 SWN Production Company, LLC 18% 39/407 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 42/634 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 39/516 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/84 SWN Production Company, LLC 18% 40/84 SWN Production Company, LLC 18% 40/84	John W. Johnson, Jr., married, dealing herein with his	SWN Production Company, LLC	18%		107) 100) 1
SWN Production Company, LLC 18% 38/47 SWN Production Company, LLC 18% 41/232 SWN Production Company, LLC 18% 41/233 SWN Production Company, LLC 18% 41/732 SWN Production Company, LLC 18% 46/290 SWN Production Company, LLC 18% 39/515 SWN Production Company, LLC 18% 39/544 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/48 SWN Production Company, LLC 18% 40/66 SWN Production Company, LLC 18% 40/84	separate property	:			^u _∃
SWN Production Company, LLC SWN Production C	Virginia C. Michael, a married woman, dealing herein	SWN Production Company, LLC	18%		7
SWN Production Company, LLC SWN Production C	with her separate property			38/47	
SWN Production Company, LLC SWN Production C	Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407	
SWN Production Company, LLC SWN Production C	Diana Smyth, a married woman, dealing herein with	SWN Production Company, LLC	18%		
SWN Production Company, LLC SWN Production C	her separate property			41/232	
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%		
SWN Production Company, LLC SWN Production C	his separate property			41/238	
SWN Production Company, LLC 18%	Thomas Clark, a married man, dealing herein with his	SWN Production Company, LLC	18%		
SWN Production Company, LLC SWN Production C	separate property			41/732	
SWN Production Company, LLC SWN Production C		SWN Production Company, LLC	18%		
SWN Production Company, LLC 18%	Joan Giannin, by her attorney in fact Lisa Giannini			42/634	
SWN Production Company, LLC 18%	Harold Rex Strawn, a married man, dealing herein with his separate property	SWN Production Company, LLC	18%	46/290	
SWN Production Company, LLC 18%	Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18%	39/515	
SWN Production Company, LLC 18%	Ruth Elaine Rogerson, a married woman, dealing	SWN Production Company, LLC	18%		
SWN Production Company, LLC 18%	herein with her separate property			39/584	
SWN Production Company, LLC 18%	Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC	18%		
SWN Production Company, LLC 18%	her separate property			39/779	580 080 080 000
SWN Production Company, LLC 18%	Bruce Dunn, a married man, dealing herein with his	SWN Production Company, LLC	18%		
SWN Production Company, LLC 18%	separate property			40/48	
SWN Production Company, LLC 18% SWN Production Company, LLC 18% SWN Production Company, LLC 18%	Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60	
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%		
SWN Production Company, LLC 18% SWN Production Company, LLC 18%	separate property			40/66	
SWN Production Company, LLC	Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84	
		SWN Production Company, LLC	18%		
	Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a				
	single woman, represented herein by her attorney in				

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

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A 7 0 9 0 Debuty R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%	40/159	OSO SO SO SO SO SO SO SO SO SO SO SO SO
Barbara Parrish, widow	SWN Production Company, LLC	18%	41/184	30
Becky Loewe, a married woman, dealing herein with		18%		HE PE
her separate property			41/190	^ම ටැ
Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%		, 6
with her separate property			41/208	
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%		
his separate property			41/244	
Megan McClain, single	SWN Production Company, LLC	18%	41/672	
Gerald McClain, a married man, dealing herein with	1	18%		
his separate property			41/776	
John Mossgrove, a married man, dealing herein with	h SWN Production Company, LLC	18%		
separate property			42/1	
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%		
herein with her separate property			42/55	
n with her	separate SWN Production Company, LLC	18%		AND THE PROPERTY OF THE PROPER
			41/226	
Katherine A. Kemper, aka Katherine Benzo Kemper.	emper, a SWN Production Company, LLC	18%		
			42/25	
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758	
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489	
Sharen Clark, single	SWN Production Company, LLC	18%	47/36	MARKET TO THE PARTY OF THE PART
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	AND DESCRIPTION OF THE PROPERTY OF THE PROPERT	
separate property	:		47/42	
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%		
separate property			47/131	
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233	
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413	
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%		
married woman, dealing herein with her separate				
property			39/419	
	SWN Production Company, LLC	14%		
Christine Ballato, f/k/a Christine Little, divorced,				
dealing herein with her separate property			39/425	
James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC	14%		
with his separate property			39/431	
	SWN Production Company, LLC	14%		
Deborah McGrath, f/k/a Deborah Little, married,				
dealing herein with her separate property			39/762	
Susan Clark, single	SWN Production Company, LLC	14%	40/129	
Lynn Oroian, single	SWN Production Company, LLC	14%	40/135	
Linda Miller, widow	SWN Production Company, LLC	14%	40/141	
Donald James Smith, married, dealing herein with his SWN Production Company, LLC	is SWN Production Company. LLC	14%		
	//	2		

	Brooke Co	Brooke County, West Virginia			100 NE
	Susan Shamp, married, dealing herein with her separate property	SWN Production Company, LLC	14%	40/171	0 8 1 50 80,
	Lora Mae Dunn Gurule, married, dealing herein with her separate property	SWN Production Company, LLC	14%	42/61	DW.
	lealing	herein with his separate SWN Production Company, LLC	14%	42/477	Enviro Enviro
	Chauncey T. Hall, a married man, dealing herein wih his separate property	SWN Production Company, LLC	14%	39/297	
	Mary Catherine Janeshek Croce, single	SWN Production Company, LLC	14%	40/20	
		SWN Production Company, LLC	14%		
	Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property			40/26	
	Joseph Janeshek, a married man	SWN Production Company, LLC	14%	40/32	
3-B36-49	Robert L. Mozingo and Betty Lou Mozingo, husband		18%		%0
	and wife	Chesapeake Appalachia, L.L.C. SWN Production Company, LLC		29/455 31/228	
	Clarence Mozingo, a married man dealing in his sole		18%	NA A A A MINISTRALIA MANAGAMENTA MANAGAMEN	
	and separate property	Chesapeake Appalachia, L.L.C.		29/607	
		SWN Production Company, LLC		31/228	
	Thomas Otis Brown, a married man dealing in his		18%		
	sole and separate property	Chesapeake Appalachia, L.L.C.		30/318	
		SWN Production Company, LLC		31/228	
	Fresh Oil Ministries	SWN Production Company, LLC	16%	39/69	
	Virginia L. Ewing, a single woman	SWN Production Company, LLC	18%	39/491	
	Alice Mozingo Clifton, widow	SWN Production Company, LLC	18%	39/522	
	John Steven Robinson, married, dealing herein with	SWN Production Company, LLC	18%		
	his separate property			39/529	
	Sussan Kelly Vollbrecht, married, dealing herein with	SWN Production Company, LLC	18%	39/550	
	James Michael Robinson, married, dealing herein	SWN Production Company, LLC	18%		
	with his separate property			39/558	
	Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785	
	Harriet Mozingo Cummings, married, deaing herein	SWN Production Company, LLC	18%	27/07	
	Milli Her Separate property	SWN Broduction Company 110	18%	40/40	
	Anthony A. 1270, married, dealing herein with his	SWN Production Company, 11C	18%		
	separate property			40/97	
	Albert O. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%	40/104	
	Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111	
	Jack Keating, married, dealing herein with his separate property	SWN Production Company, LLC	18%	40/183	
		SWN Production Company 11C	18%		
		מפרים יים מחולים יים יים יים יים יים יים יים יים יים			

EXHIBIT A

WW-6A1, by SWN Production Company, LLC, as Operator

Brian Teslovich BRK 405H

Brooke County, West Virginia

SWN Production Company,	oah. married, dealing herein with his
\ueday.	SWN Production Com

ed to and made a part of the state of west Virginia Oil and task Permit Form, www-bA1, by Swin Production Combany, LLC, as Operation	Gas Permit Form, WW-DAL, by SWIN FLOUD) (
Brian T. Brooke G.	Brian Teslovich BRK 405H Brooke County, West Virginia			OZOZ PUBNIZO PUBNIZOZ
Robert E. Noah, married, dealing herein with his senarate property	SWN Production Company, LLC	18%	41/702	10 8 / S / S / S / S / S / S / S / S / S /
Jacqueline B. Johnson, married, deailng herein with	SWN Production Company, LLC	18%		SUPI OBC VW
her separate property	3		41/744	400
Jill Hoover, f/k/a Jill Keating, married, dealing herein with her separate property	SWN Production Company, LLC	18%	41/751	YINUT T
Kevin Noah, single	SWN Production Company, LLC	18%	42/37	
Larry Keating, married, dealing herein with his senarate property	SWN Production Company, LLC	18%	42/317	
	SWN Production Company, LLC	18%		
Debra Jean Dawson f/k/a Debra Robinson, married, dealing herein with her separate property			42/329	
ig, married	h SWN Production Company, LLC	18%	2007.00	
his separate property		4007	47/483	
Paula Seckman, t/k/a (Paula Keating, married, dealing herein with her separate property	SWN Production Company, LLC	18%	42/290	
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497	
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			42/640	
Gail Noah, single	SWN Production Company, LLC	18%	43/166	
Bruce Anderson, married, dealing herein with his	SWN Production Company, LLC	18%	47/410	
Carolun I Johnson marriad dealing herein with her	CIAIN Draduction Company 11	18%		manufacture of the second seco
car offine South manner, deaming herein with her separate property			45/742	
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC	is SWN Production Company, LLC	18%	75/736	
Separate property Virginia C Michael a married warms dealing herein CMN Production Comman 11C	CWM Broduction Common 11	18%	oc /ct	
Viiginia C. Michael, a marrieu woman, ucaning neren with her separate property	SWIN Floudiction Company, ELC	VOT	38/47	
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407	
Diana Smyth, a married woman, dealing herein with	SWN Production Company, LLC	18%		
her separate property			41/232	
Donaid Daiton, a married man, dealing nerein with his senarate property	SWN Production Company, LLC	18%	41/238	
ied man, de	ealing herein with his SWN Production Company, LLC	18%		
separate property	OMM Designation of a second se	100/	41/732	
Joan Giannini, by her attorney in fact Lisa Giannini	SWIN Floauction Company, LLC	70%	42/634	
Harold Rex Strawn, a married man, dealing herein with his separate property	SWN Production Company, LLC	18%	46/290	
Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18%	39/515	
Ruth Elaine Rogerson, a married woman, dealing herein with her separate property	SWN Production Company, LLC	18%	39/584	
Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC	18%	97.7/95	
ner separate property		AND AND ADDRESS OF THE PARTY OF	ciilee	

4700900 Backed to and made a part of the State of We

by SWN Production Company, LLC, as Operator		
West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator	Brian Teslovich BRK 405H	Brooke County, West Virginia

EXHIBIT A

Brooke Co	Brooke County, West Virginia			1
				750 3050 305
Bruce Dunn, a married man, dealing herein with his	SWN Production Company, LLC	18%		10 to
separate property		,,,,,	40/48	2000
Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60	1/20
Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%	.	YWY
separate property			40/66	1100
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84	2/1/1
	SWN Production Company, LLC	18%		日
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a				
single woman, represented herein by her attorney in fact, Dennis J. Wheeler			40/147	
Kimberly R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%		
herein with her separate property			40/159	
Barbara Parrish, widow	SWN Production Company, LLC	18%	41/184	
Becky Loewe, a married woman, dealing herein with	SWN Production Company, LLC	18%		
her separate property			41/190	
Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%	9	
with her separate property			41/208	
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%		
his separate property			41/744	
Megan McClain, single	SWN Production Company, LLC	18%	41/672	
Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	78%	377/14	
nis separate property	- 1	4004	41//0	
John Mossgrove, a marned man, deamig nerem with Separate property	SWIN FIOURCEION COMPANY, ELC	9/07	42/1	
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%		
herein with her separate property			42/55	
Cindy L. Rasmussen, dealing herein with her separate	ig herein with her separate SWN Production Company, LLC	18%		
property			41/226	
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	B SWN Production Company, LLC	18%		
widowed woman			42/25	
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758	
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489	
Sharen Clark, single	SWN Production Company, LLC	18%	47/36	
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%		
separate property			47/42	
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%		
separate property			47/131	
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233	
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413	
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a married woman. dealing herein with her separate	SWN Production Company, LLC	14%		
property			39/419	
	SWN Production Company, LLC	14%		
Christine Ballato, f/k/a Christine Little, divorced,				
dealing herein with her separate property			39/425	

	Brooke Co	Brooke County, West Virginia		OZOS POUR POUR POS POS POS POS POS POS POS POS POS POS	SOSO SINED S
	James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC	14%	0737 157705	0
	With his separate property	SWN Production Company 11C	14%	- 1	3 1
	Deborah McGrath, f/k/a Deborah Little, married,		2	6	DU DU
	dealing herein with her separate property			39/762	1400
	Susan Clark, single	SWN Production Company, LLC	14%	40/129	in
	Lynn Oroian, single	SWN Production Company, LLC	14%	40/135	B
	Linda Miller, widow	SWN Production Company, LLC	14%	40/141	
	Donald James Smith, married, dealing herein with his	SWN Production Company, LLC	14%		
	separate property			40/165	
	Susan Shamp, married, dealing herein with her	SWN Production Company, LLC	14%	20,41	
	separate property	SWM Braduction Command 11	7/1/2	40/1/1	
	her separate property		2	42/61	
	Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC	SWN Production Company, LLC	14%		
	property	:		42/477	
	Chauncey T. Hall, a married man, dealing herein wih	SWN Production Company, LLC	14%		
	his separate property			39/297	
	Mary Catherine Janeshek Croce, single	SWN Production Company, LLC	14%	40/20	
		SWN Production Company, LLC	14%		
	Alice Yvonne Janeshek Mieczkowski, a married				
	woman, dealing in her separate property	The second secon		40/26	
	Joseph Janeshek, a married man	SWN Production Company, LLC	14%	40/32	
3-836-50	Robert L. Mozingo and Betty Lou Mozingo, husband		18%		%0
	and wife	Chesapeake Appalachia, L.L.C.		29/455	
		SWN Production Company, LLC		31/228	
	Clarence Mozingo, a married man dealing in his sole		18%		
	and separate property	Chesapeake Appalachia, L.L.C.		29/607	
		SWN Production Company, LLC		31/228	
	Thomas Otis Brown, a married man dealing in his		18%		
	sole and separate property	Chesapeake Appalachia, L.L.C.		30/318	
		SWN Production Company, LLC		31/228	
	Fresh Oil Ministries	SWN Production Company, LLC	16%	39/69	
	Virginia L. Ewing, a single woman	SWN Production Company, LLC	18%	39/491	
	Alice Mozingo Clifton, widow	SWN Production Company, LLC	18%	39/522	
	John Steven Robinson, married, dealing herein with	SWN Production Company, LLC	18%		
	his separate property			39/529	
	Sussan Kelly Vollbrecht, married, dealing herein with	SWN Production Company, LLC	18%		
	her separate property			39/550	
	James Michael Robinson, married, dealing herein	SWN Production Company, LLC	18%		
	with his separate property			39/558	
	Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785	
	Harriet Mozingo Cummings, married, deaing herein	SWN Production Company, LLC	18%	3,00	
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Anthony A. 1220, married, dealing nerein with his SWN Production Company, LLC separate property	78%	40/97	SOS THE INC.
Albert O. Izzo, married, dealing herein with his SWN Production Company, LLC	18%		
separate property		40/104	len Liec
	18%	40/111	A A A
Jack Keating, married, dealing herein with his SWN Production Company, LLC	18%	•	1/1/
separate property		40/183	Dine H
SWN Production Company, LLC	18%		E
Doris McCormick, f/k/a Doris Keating, married,			
dealing herein with her separate property		40/190	
Robert E. Noah, married, dealing herein with his SWN Production Company, LLC	18%		
separate property		41/702	
Jacqueline B. Johnson, married, deailng herein with SWN Production Company, LLC	18%		
her separate property		41/744	
Jill Hoover, f/k/a Jill Keating, married, dealing herein SWN Production Company, LLC	18%		
with her separate property		41/751	
Kevin Noah, single SWN Production Company, LLC	18%	42/37	
Larry Keating, married, dealing herein with his SWN Production Company, LLC	18%		
separate property	-	42/317	
SWN Production Company, LLC	18%		
Debra Jean Dawson f/k/a Debra Robinson, married,			
dealing herein with her separate property		42/329	
William Willard Keating, married, dealing herein with SWN Production Company, LLC	18%		
his separate property		42/483	
Paula Seckman, f/k/a (Paula Keating, married, SWN Production Company, LLC	18%		
dealing herein with her separate property		42/290	
Ashley Anderson, single SWN Production Company, LLC	18%	42/497	
Richard Keating, married, dealing herein with his SWN Production Company, LLC	18%		
separate property		42/640	
Gail Noah, single SWN Production Company, LLC	18%	43/166	
Bruce Anderson, married, dealing herein with his SWN Production Company, LLC	18%		
separate property		47/410	
Carolyn J. Johnson, married, dealing herein with her SWN Production Company, LLC	18%		
separate property		45/742	
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC	18%		
separate property		45/736	
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	18%		
with her separate property		38/47	
Evelyn Pasco, a widow SWN Production Company, LLC	18%	39/407	
Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC	18%		
her separate property		41/232	
Donald Dalton, a married man, dealing herein with SWN Production Company, LLC	18%		
his separate property		41/238	
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	18%		
separate property		41/732	_

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Вгооке СС	DIODAE COUNTY, WEST VIIBINIA		
	SWN Production Company, LLC	18%	
Joan Giannini, by her attorney in fact Lisa Giannini			42/634
Harold Rex Strawn, a married man, dealing herein	SWN Production Company, LLC	18%	
with his separate property			46/290
Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18%	39/515
Ruth Elaine Rogerson, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			39/584
Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property			39/779
Bruce Dunn, a married man, dealing herein with his	SWN Production Company, LLC	18%	
separate property			40/48
Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60
Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%	
separate property			40/66
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84
	SWN Production Company, LLC	18%	
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a			
single woman, represented herein by her attorney in			
fact, Dennis J. Wheeler			40/147
Kimberly R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			40/159
Barbara Parrish, widow	SWN Production Company, LLC	18%	41/184
Becky Loewe, a married woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property			41/190
Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%	
with her separate property			41/208
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/244
Megan McClain, single	SWN Production Company, LLC	18%	41/672
Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/776
John Mossgrove, a married man, dealing herein with	SWN Production Company, LLC	18%	
			42/1
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			42/55
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC	SWN Production Company, LLC	18%	
property			41/226
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	SWN Production Company, LLC	18%	
widowed woman	:		42/25
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489
Sharen Clark, single	SWN Production Company, LLC	18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	

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EXHIBIT A

		, ,	
married man dealing in his	SWN Production Company, LLC	18%	
separate property			47/131
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%	
married woman, dealing herein with her separate			
property			39/419
	SWN Production Company, LLC	14%	
Christine Ballato, f/k/a Christine Little, divorced,			
dealing herein with her separate property			39/425
James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC	14%	
•	:		39/431
	SWN Production Company, LLC	14%	
Deborah McGrath, f/k/a Deborah Little, married,			
dealing herein with her separate property			39/762
	SWN Production Company, LLC	14%	40/129
Lynn Oroian, single	SWN Production Company, LLC	14%	40/135
	SWN Production Company, LLC	14%	40/141
. married. dealing herein with his	SWN Production Company, LLC	14%	
0			40/165
ried, dealing herein with her	SWN Production Company, LLC	14%)
			40/171
urule, married, dealing herein with	SWN Production Company, LLC	14%	
	:		42/61
Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC	SWN Production Company, LLC	14%	
property			42/477
/ T. Hall, a married man, dealing herein wih	SWN Production Company, LLC	14%	
his separate property			39/297
Mary Catherine Janeshek Croce, single	SWN Production Company, LLC	14%	40/20
	SWN Production Company, LLC	14%	
Alice Yvonne Janeshek Mieczkowski, a married			
oroperty			40/26
nan	SWN Production Company, LLC	14%	40/32
3-B36-45 Robert L. Mozingo and Betty Lou Mozingo, husband		18%	
and wife (Chesapeake Appalachia, L.L.C.		29/455
,	SWN Production Company, LLC		31/228
Clarence Mozingo, a married man dealing in his sole		18%	
and separate property	Chesapeake Appalachia, L.L.C.		29/607
	SWN Production Company, LLC		31/228
Thomas Otis Brown, a married man dealing in his		18%	
sole and separate property	Chesapeake Appalachia, L.L.C.		30/318
	SWN Production Company, LLC		31/228
Fresh Oil Ministries	SWN Production Company, LLC	16%	39/69
Virginia L. Ewing, a single woman	SWN Production Company, LLC	18%	39/491
Alica Maria Cliffon	SW/N Production Company 110	7007	

				SI
John Steven Robinson, married, dealing herein with his separate property	SWN Production Company, LLC	18%	39/529	SCFION COSO STORY
it, married, dealing herein with	SWN Production Company, LLC	18%	39/550	OF OF STREET
James Michael Robinson, married, dealing herein with his separate property	SWN Production Company, LLC	18%	39/558	Mooning A
Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785	140. 141 141 141
Harriet Mozingo Cummings, married, deaing herein with her separate property	SWN Production Company, LLC	18%	40/13	Envil
Joseph Izzo, single	SWN Production Company, LLC	18%	40/90	
arried, dealing herein with his	SWN Production Company, LLC	18%	40/97	
Albert O. Izzo, married, dealing herein with his separate property	SWN Production Company, LLC	18%	40/104	
Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111	
Jack Keating, married, dealing herein with his separate property	SWN Production Company, LLC	18%	40/183	
	SWN Production Company, LLC	18%		
Doris McCormick, f/k/a Doris Keating, married,			0.00	
dealing herein with her separate property			40/190	
Robert E. Noah, married, dealing herein with his separate property	SWN Production Company, LLC	18%	41/702	
married, deailng herein with	SWN Production Company, LLC	18%		
			41/744	
,, married, dealing herein	SWN Production Company, LLC	18%	41/751	
nopel ty		1007	10/01	
na horoin with his	SWN Production Company, LLC	18%	42/37	
	SWN Production Company, ELC	70% TO	42/317	
Debra Jean Dawson f/k/a Debra Robinson, married,	SWN Production Company, LLC	18%		
dealing herein with her separate property			42/329	
William Willard Keating, married, dealing herein with SWN Production Company, LLC his consists arounds.	SWN Production Company, LLC	18%	42/483	
Paula Seckman f/k/a (Paula Keating married	SWN Production Company, 11C	18%	20. /-	
dealing herein with her separate property))	42/290	
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497	
Richard Keating, married, dealing herein with his separate property	SWN Production Company, LLC	18%	42/640	
Gail Noah, single	SWN Production Company, LLC	18%	43/166	
Bruce Anderson, married, dealing herein with his separate property	SWN Production Company, LLC	18%	47/410	
Carolyn J. Johnson, married, dealing herein with her separate property	SWN Production Company, LLC	18%	45/742	

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separate property			45/136	9	ĺ
I, a marrie property	d woman, dealing herein SWN Production Company, LLC	18%	38/47	il sud EINED	SOS o inei
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407) [] []	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Diana Smyth, a married woman, dealing herein with her separate property	SWN Production Company, LLC	18%	41/232	0 90 <u>1</u> 0 90 <u>1</u> 0 901	Pepa Depa
Donald Dalton, a married man, dealing herein with	SWN Production Company, LLC	18%		W 10	VV Lon
his separate property			41/238		יאני
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	SWN Production Company, LLC	18%			E
separate property			41/732		
	SWN Production Company, LLC	18%			
Joan Giannini, by her attorney in fact Lisa Giannini			42/634		
Harold Rex Strawn, a married man, dealing herein	SWN Production Company, LLC	18%	06/30		
a widow	SWN Production Company, LLC	18%	39/515		
man, dealing	SWN Production Company, LLC	18%			
			39/584		
Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC	18%			
her separate property			39/779		
ried man, dealing herein with his	SWN Production Company, LLC	18%			
			40/48		
Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60		
Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%			
			40/66		
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84		
	SWN Production Company, LLC	18%			
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a					
single woman, represented herein by her attorney in					
fact, Dennis J. Wheeler			40/147		
man, dealing	SWN Production Company, LLC	18%	2,70		
Darham Darrich widow	CIANI Descriptions of the contract of the cont	100/	40/129		
woman dealing herein with	SWN Production Company, LLC	18%	104 /41		
0			41/190		
ried woman, dealing herein	SWN Production Company, LLC	18%			
			41/208		
Donald Martin, a married man, dealing herein with his separate property	SWN Production Company, LLC	18%	41/244		
e.	SWN Production Company, LLC	18%	41/672		- Company of the Comp
rried man, dealing herein with	SWN Production Company, LLC	18%	7 mm/ **		
			41///6		
John Mossgrove, a married man, dealing herein with	SWN Production Company, LLC	18%			

Brooke C	Brooke County, West Virginia			OSO guq C NED
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%	42/55	
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC property	e SWN Production Company, LLC	18%	41/226	A Y AN Second
e A. Kemper, aka Ka I woman	therine Benzo Kemper, a SWN Production Company, LLC	18%	42/25	WOJIAL WA
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758	₽ E
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489	
Sharen Clark, single	SWN Production Company, LLC	18%	47/36	
Karen Perry, married, dealing herein with her separate property	SWN Production Company, LLC	18%	47/42	-
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%		
separate property			47/131	
John R. Clark, a single man	SWN Production Company, LLC	18%	4//233	
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413	
Stephanie J. Blundon, $f/k/a$ Stephanie Piccirillo, a married woman, dealing herein with her separate	SWN Production Company, LLC	14%		
property			39/419	-
Christine Ballato, f/k/a Christine Little, divorced,	SWN Production Company, LLC	14%	30/02	
annig nereni with her separate property			C37 /CC	
James K. Piccirillo, a married man, dealing herein with his separate property	SWN Production Company, LLC	14%	39/431	
	SWN Production Company, LLC	14%		
Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property			39/762	
Susan Clark, single	SWN Production Company, LLC	14%	40/129	
Lynn Oroian, single	SWN Production Company, LLC	14%	40/135	
Linda Miller, widow	SWN Production Company, LLC	14%	40/141	
Donald James Smith, married, dealing herein with his separate property		14%	40/165	
Susan Shamp, married, dealing herein with her	SWN Production Company, LLC	14%	171/07	
Lora Mae Dunn Gurule, married, dealing herein with	SWN Production Company, LLC	14%		
her separate property			42/61	
Kevin Sarlo, married, dealing herein with his separat property	herein with his separate SWN Production Company, LLC	14%	42/477	
Chauncey T. Hall, a married man, dealing herein wih his separate property	SWN Production Company, LLC	14%	39/297	
Mary Catherine Janeshek Croce, single	SWN Production Company, LLC	14%	40/20	
V ====================================	SWN Production Company, LLC	14%		
Alice Yvonne Janesnek Mieczkowski, a married woman, dealing in her separate property			40/26	, <u> </u>
	6		04/00	

%0	29/455	31/228	S	C ⁹³	,,,	UC	()	7.	11	-/14		En	39/529		39/550		39/558	39/785		40/13	40/90		40/97		40/104	40/111		40/183			40/190		41/702		41/744		41/751	42/37		42/317			42/329
	29/			767	31/	%	30/:	31/:				%		%	39/	%	39/			40/		%	40/	%	40/		%	40/	%		40/		41/		41/		41/		%		%		42/
18%			18%			18%			16%	18%	18%	18%		18%		18%		18%	18%		18%	18%		18%		18%	18%		18%			18%		18%		18%		18%	18%		18%		
	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC			SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		
Robert L. Mozingo and Betty Lou Mozingo, husband	and wife		Clarence Mozingo, a married man dealing in his sole	and separate property		Thomas Otis Brown, a married man dealing in his	sole and separate property		Fresh Oil Ministries	Virginia L. Ewing, a single woman	Alice Mozingo Clifton, widow	John Steven Robinson, married, dealing herein with	his separate property	Sussan Kelly Vollbrecht, married, dealing herein with	her separate property	James Michael Robinson, married, dealing herein	with his separate property	Thomas Allan Robinson, single	Harriet Mozingo Cummings, married, deaing herein	with her separate property	Joseph Izzo, single	Anthony A. Izzo, married, dealing herein with his	separate property	Albert O. Izzo, married, dealing herein with his	separate property	Kathy Ziklo f/k/a Kathleen Izzo, widow	Jack Keating, married, dealing herein with his	separate property		Doris McCormick, f/k/a Doris Keating, married,	dealing herein with her separate property	Robert E. Noah, married, dealing herein with his	separate property	Jacqueline B. Johnson, married, deailng herein with	her separate property	Jill Hoover, f/k/a Jill Keating, married, dealing herein	with her separate property	Kevin Noah, single	Larry Keating, married, dealing herein with his	separate property		Debra Jean Dawson f/k/a Debra Robinson, married,	dealing herein with her separate property
,14 3-B36-43	0 0 0 0		-																				-																				

Environmental protection

	I		
_	g, married, dealing herein with SWN Production Company, LLC	18%	SUS SUS SUS SUS SUS SUS SUS SUS SUS SUS
his separate property			42/483
Paula Seckman, f/k/a (Paula Keating, married,	SWN Production Company, LLC	18%	
dealing herein with her separate property	1		
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property	ļ		42/640
Gail Noah, single	SWN Production Company, LLC	18%	43/166
Bruce Anderson, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			47/410
Carolyn J. Johnson, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property			45/742
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC	SWN Production Company, LLC	18%	
separate property			45/736
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	SWN Production Company, LLC	18%	
with her separate property			38/47
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407
Diana Smyth, a married woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property			41/232
Donald Dalton, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/238
Thomas Clark, a married man, dealing herein with his	d man, dealing herein with his SWN Production Company, LLC	18%	
separate property			41/732
	SWN Production Company, LLC	18%	
Joan Giannini, by her attorney in fact Lisa Giannini			42/634
Harold Rex Strawn, a married man, dealing herein	SWN Production Company, LLC	18%	
with his separate property			46/290
Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18%	39/515
Ruth Elaine Rogerson, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			39/584
Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property			39/779
Bruce Dunn, a married man, dealing herein with his	SWN Production Company, LLC	18%	
separate property			40/48
Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60
Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%	
separate property	,		40/66
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84
	SWN Production Company, LLC	18%	
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a			
single woman, represented herein by her attorney in			
fact, Dennis J. Wheeler	·		40/147
Kimberly R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			40/159

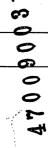


EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

Brian Teslovich BRK 405H Brooke County, West Virginia 0S0S 0 & YAM

WV Department of Environmental Protection

becay between a manned woman, dealing herein with Switt Froduction Company, Elected her separate property	סיינו ווסממכנוסו כסוויףמויץ, בבל		41/190
Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%	
with her separate property			41/208
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/244
Megan McClain, single	SWN Production Company, LLC	18%	41/672
Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/776
John Mossgrove, a married man, dealing herein with	SWN Production Company, LLC	18%	
separate property			42/1
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			42/55
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC	SWN Production Company, LLC	18%	
property			41/226
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	SWN Production Company, LLC	18%	
widowed woman			42/25
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489
Sharen Clark, single	SWN Production Company, LLC	18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property			47/42
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%	
separate property			47/131
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%	
married woman, dealing herein with her separate			
property			39/419
	SWN Production Company, LLC	14%	
Christine Ballato, f/k/a Christine Little, divorced,			
dealing herein with her separate property			39/425
James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC	14%	
with his separate property			39/431
	SWN Production Company, LLC	14%	
Deborah McGrath, f/k/a Deborah Little, married,			
dealing herein with her separate property			39/762
Susan Clark, single	SWN Production Company, LLC	14%	40/129
Lynn Oroian, single	SWN Production Company, LLC	14%	40/135
Linda Miller, widow	SWN Production Company, LLC	14%	40/141
Donald James Smith, married, dealing herein with his SWN Production Company, LLC	SWN Production Company, LLC	14%	
separate property	:		40/165
Chamber marginal donling hospin with hor		,	
Susan Shanib, manneu, uealing nerem with ner	SWN Production Company, LLC	14%	

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	42/61	10	42/477		39/297	40/20			40/26	40/32		29/455	31/228		29/607	31/228		30/318	31/228	39/68	39/491	39/522		39/529		39/220		39/228	39/785		40/13	40/90		40/97		40/104	40/111		40/183			40/190		41/702
	14%	14%		14%		14%	14%			14%	18%			18%			18%			16%	18%	18%	18%		18%		18%		18%	18%		18%	18%		18%		18%	18%		18%			18%	
	SWN Production Company, LLC	herein with his separate SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC			SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC			SWN Production Company, LLC	
	Lora Mae Dunn Gurule, married, dealing herein with S	lealing		T. Hall, a married man, dealing herein wih	his separate property	Mary Catherine Janeshek Croce, single		Alice Yvonne Janeshek Mieczkowski, a married	woman, dealing in her separate property		Robert L. Mozingo and Betty Lou Mozingo, husband	and wife		Clarence Mozingo, a married man dealing in his sole	and separate property		Thomas Otis Brown, a married man dealing in his			Fresh Oil Ministries	Virginia L. Ewing, a single woman	Alice Mozingo Clifton, widow	John Steven Robinson, married, dealing herein with	his separate property	Sussan Kelly Vollbrecht, married, dealing herein with	her separate property	James Michael Robinson, married, dealing herein	with his separate property	Thomas Allan Robinson, single	Harriet Mozingo Cummings, married, deaing herein	with her separate property		Anthony A. Izzo, married, dealing herein with his		ried, dealing herein with his	separate property	Kathy Ziklo f/k/a Kathleen Izzo, widow	Jack Keating, married, dealing herein with his	separate property		Doris McCormick, f/k/a Doris Keating, married,		arried, dealing herein with his	separate property
· (ಣ ෆ ට										15 3-836-42																																	

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Office of Oil and Gas

Jacqueline B. Johnson, married, deailng herein with SV	SWN Production Company, LLC	18%	41/744
asting married dealing herein	SWN Production Company 110	18%	1
			41/751
	SWN Production Company, LLC	18%	42/37
Larry Keating, married, dealing herein with his SV	SWN Production Company, LLC	18%	712/21
	SWN Production Company, LLC	18%	7
Debra Jean Dawson f/k/a Debra Robinson, married,			•
dealing herein with her separate property		,000	42/329
william William Williard Keating, married, dealing nerein with SWN Production Company, LLC his separate property	VN Production Company, LLC	78%	42/483
(Paula Keating, married,	SWN Production Company, LLC	18%	•
			42/290
	SWN Production Company, LLC	18%	42/497
Richard Keating, married, dealing herein with his SV	SWN Production Company, LLC	18%	
Α			42/640
	SWN Production Company, LLC	18%	43/166
Bruce Anderson, married, dealing herein with his SV	SWN Production Company, LLC	18%	
-			47/410
, married, dealing herein with her	SWN Production Company, LLC	18%	!
separate property	On the state of th	100/	45//42
separate property	VIN Floduction Company, LEC	WOT	45/736
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	VN Production Company, LLC	18%	
with her separate property			38/47
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407
d woman, dealing herein with	SWN Production Company, LLC	18%	
rrate property		,	41/232
Donald Dalton, a married man, dealing herein with SW his separate property	SWN Production Company, LLC	18%	41/238
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	VN Production Company, LLC	18%	
separate property			41/732
	SWN Production Company, LLC	18%	
		,00	42/634
naroid nex strawn, a married man, dealing nerein sy with his separate property	SWN Production Company, LLC	78% T0%	46/290
, a widow	SWN Production Company, LLC	18%	39/515
man, dealing	SWN Production Company, LLC	18%	
herein with her separate property			39/584
woman, dealing herein with	SWN Production Company, LLC	18%	•
her separate property Rece Dung a married man dealing barein with his CM	OWN Production Commany 11	, %	39/779
	יון דיסממכנוסו כסוויףמווץ, בבל	201	40/48

EXHIBIT A	ched to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator	Brian Teslovich BRK 405H	Brooke County, West Virginia
/	A Atta		7

separate property			40/66
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84
	SWN Production Company, LLC	18%	
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a			
single woman, represented herein by her attorney in			
fact, Dennis J. Wheeler			40/147
Kimberly R. Jackson, a married woman, dealing	SWN Production Company, 11C	18%	•
			40/159
	SWN Production Company, LLC	18%	41/184
I woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property			41/190
Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%	
with her separate property			41/208
nan, dealing herein with	SWN Production Company, LLC	18%	
			41/244
a	SWN Production Company, LLC	18%	41/672
ied man, dealing herein with	SWN Production Company, LLC	18%	
	-		41/776
John Mossgrove, a married man, dealing herein with SWN Production Company, LLC	SWN Production Company, LLC	18%	: !
senarate property	011 (1)		1777
d a married woman dealing	SWN Production Company 110	18%	774
			17/07
Gird i Postale property		200	42/24
cindy L. Kasmussen, dealing nerein with ner separate SWN Production Company, LLC	SWIN Production Company, LLC	18%	
property			41/226
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	SWN Production Company, LLC	18%	
widowed woman			42/25
	SWN Production Company, LLC	18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489
	SWN Production Company, LLC	18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property			47/42
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%	
separate property			47/131
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233
Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%	
married woman, dealing herein with her separate			
property			39/419
	SWN Production Company, LLC	14%	
Christine Ballato, f/k/a Christine Little, divorced,			
dealing herein with her separate property			39/425
James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC	14%	
	-		39/431

	SWN Production Company, LLC Tate SWN Production Company, LLC SWN Production Company, L	SWN Production Company, LLC SW	-		JU 398	_	~		• ~					=								 		%0	*** ***																					
	SWN Production Company, LLC	Deborah Micraeth, (I/k/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Susan Clark, single Susan Clark, single Susan Clark, single Susan Shanp, married, dealing herein with her Susan Shanp, married, dealing herein with her Susan Shanp, married, dealing herein with her Susan Shanp, married, dealing herein with his SWN Production Company, LLC Separate property Lora Mae Duni Gurule, married, dealing herein with his separate spongerty Lora Mae Duni Gurule, married, dealing herein with his separate property Lora Mae Duni Gurule, married, dealing herein with his separate spongerty Lora Mae Duni Gurule, married, dealing herein with supply Revin Sardo, married dealing herein with his separate property Chautrey 1. Hall, a married man, dealing herein with SWN Production Company, LLC Name Aller Vorone Janeshek Miectkowski, a married Woman, dealing in her separate property Lora Married, married man dealing in his sole and separate property Aller Vorone Janeshek Lora Mozingo, husband Clarence Mozingo, a married man dealing in his sole and separate property Susan Melly Vollbrecht, married, dealing herein with SWN Production Company, LLC SWN Production Company, LLC Aller Mozingo Cultron, widow SWN Production Company, LLC SWN Production Company, LLC Aller Mozingo Cultron, widow SWN Production Company, LLC SWN Production Company, LLC Aller Mozingo Cultron, widow SWN Production Company, LLC Aller Mozingo Cultron, widow Swan Reily Vollbrecht, married, dealing herein with SWN Production Company, LLC Marries property Americal Robinson, married, dealing herein with SWN Production Company, LLC Homas Allan Robinson, and Relangery Susan Reily Vollbrecht, married, dealing herein with SWN Production Company, LLC Homas Allan Robinson, single SWN Production Company, LLC Marries property Swan Reily Vollbrecht, married, dealing herein with SWN Production Company, LLC Homas Allan Robinson, single SWN Production Company, LLC SWN Production Company, LLC Marries property SWN Production Company, LLC Marrie			,	39/162	40/129	40/135	40/141		40/165		40/171		42/61		42/477		39/297	40/20		40/26	40/32		29/455	31/228		29/607	31/228		30/318	31/228	69/68	39/491	39/522		39/529		39/220		39/228	39/785		40/13	40/90	
SWN Production Company, LLC	in	Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Lynn Orolan, single Linda Miller, widow Donald James Smith, married, dealing herein with his separate property Susan Shamp, married, dealing herein with her separate property Lora Mae Dunn Gurule, married, dealing herein with her separate property Lora Mae Dunn Gurule, married, dealing herein with her separate property Kevin Sarlo, married, dealing herein with his separate property Chauncey T. Hall, a married man, dealing herein with his separate property Mary Catherine Janeshek Croce, single Alice Yvonne Janeshek Mieczkowski, a married wan dealing in his sole and separate property Loseph Janeshek, a married man dealing in his sole and separate property Clarence Mozingo, a married man dealing in his sole and separate property Thomas Otis Brown, a married man dealing in his sole and separate property Alice Mozingo Clifton, widow John Steven Robinson, married, dealing herein with his separate property Sussan Kelly Vollbrecht, married, dealing herein with her separate property James Michael Robinson, married, dealing herein with her separate property Thomas Allan Robinson, and Harriet Mozingo Cummings, married, dealing herein with her separate property James Michael Robinson, single Harriet Mozingo Cummings, married, dealing herein with her separate property Joseph Izzo, single		14%			14%	14%	14%	14%		14%		14%		14%		14%		14%	14%		14%	18%			18%			18%			16%	18%	18%	18%		18%		18%		18%	18%		18%	100/
	Deborah McGrath, f/k/a Deborah Little, married, dealing herein with her separate property Susan Clark, single Linda Miller, widow Donald James Smith, married, dealing herein with his separate property Susan Shamp, married, dealing herein with her separate property Lora Mae Dunn Gurule, married, dealing herein with her separate property Kevin Sarlo, married, dealing herein with her separate property Chauncey T. Hall, a married man, dealing herein with his separate property Many Catherine Janeshek Mieczkowski, a married woman, dealing in her separate property Alice Yvonne Janeshek Mieczkowski, a married and wife Alice Yvonne Janeshek Mieczkowski, a married and wife Clarence Mozingo and Betty Lou Mozingo, husband and wife Clarence Mozingo and Betty Lou Mozingo, husband and separate property Thomas Otis Brown, a married man dealing in his sole and separate property Joseph Janeshek and single woman Alice Mozingo Clifton, widow John Steven Robinson, married, dealing herein with his separate property James Michael Robinson, married, dealing herein with her separate property Thomas Allan Robinson, single Harriet Mozingo Cummings, married, dealing herein with her separate property Thomas Allan Robinson, single Harriet Mozingo Cummings, married, dealing herein with her separate property Joseph Izzo, single	3-836-41	unty, west virginia	SWN Production Company, LLC			SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	CM/M Production Command							

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Office of Oil and Gas

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→			
Albert O. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			40/104
Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111
Jack Keating, married, dealing herein with his	SWN Production Company, LLC	18%	•
separate property) 	40/183
	SWN Production Company, LLC	18%	•
Doris McCormick, f/k/a Doris Keating, married,			
dealing herein with her separate property	!		40/190
Robert E. Noah, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property	ı		41/702
Jacqueline B. Johnson, married, deailng herein with	SWN Production Company, LLC	18%	
her separate property			41/744
Jill Hoover, f/k/a Jill Keating, married, dealing herein	SWN Production Company, LLC	18%	
with her separate property			41/751
Kevin Noah, single	SWN Production Company, LLC	18%	42/37
Larry Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			42/317
	SWN Production Company, LLC	18%	
Debra Jean Dawson f/k/a Debra Robinson, married,			
dealing herein with her separate property			42/329
William Willard Keating, married, dealing herein with SWN Production Company, LLC	SWN Production Company, LLC	18%	
his separate property			42/483
Paula Seckman, f/k/a (Paula Keating, married,	SWN Production Company, LLC	18%	
dealing herein with her separate property	,		42/290
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			42/640
Gail Noah, single	SWN Production Company, LLC	18%	43/166
Bruce Anderson, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			47/410
Carolyn J. Johnson, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property			45/742
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC	s SWN Production Company, LLC	18%	
separate property			45/736
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	1 SWN Production Company, LLC	18%	
with her separate property			38/47
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407
Diana Smyth, a married woman, dealing herein with	1	18%	
her separate property			41/232
Donald Dalton, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/238
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	s SWN Production Company, LLC	18%	
separate property	ı		41/732
	SWN Production Company, LLC	18%	
Joan Giannini, by her attorney in fact Lisa Giannini			42/634

W Department of Environmental Protection

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Office of Oil and Gas

Harold Kex Strawn, a married man, dealing herein with his separate property	swin Production Company, LLC		46/290
Shirley Ann Dunn Wheeler, a widow	SWN Production Company, ELC	18%	39/515
Rith Flaine Rogerson a married woman dealing	SWM Production Company 110	18%	
herein with her separate property	Switt Fordering Company, EEC	201	39/584
Karen Kim. a married woman, dealing herein with	SWN Production Company 11C	18%	
her separate property			39/779
Bruce Dunn, a married man, dealing herein with his	SWN Production Company, LLC	18%	
separate property			40/48
Angela Anderson, divorced	SWN Production Company, LLC	18%	40/60
Craig Dunn, a married man, deaing herein with his	SWN Production Company, LLC	18%	
separate property			40/66
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84
	SWN Production Company, LLC	18%	
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a			
single woman, represented nerein by ner attorney in			
fact, Dennis J. Wheeler	1		40/147
Kimberly R. Jackson, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			40/159
Barbara Parrish, widow	SWN Production Company, LLC	18%	41/184
Becky Loewe, a married woman, dealing herein with	SWN Production Company, LLC	18%	
her separate property			41/190
Candice Owens, a married woman, dealing herein	SWN Production Company, LLC	18%	
with her separate property			41/208
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/244
Megan McClain, single	SWN Production Company, LLC	18%	41/672
Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	18%	
his separate property			41/776
John Mossgrove, a married man, dealing herein with	SWN Production Company, LLC	18%	
separate property			42/1
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%	
herein with her separate property			42/55
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC	SWN Production Company, LLC	18%	
property			41/226
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	SWN Production Company, LLC	18%	
widowed woman			42/25
Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489
Sharen Clark, single	SWN Production Company, LLC	18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	
separate property			47/42
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%	
sensition proporties			
schalate property			47/131

O SOS CEINED	<u>199</u> 10 9011	 30 M															·····		van en						%0												
39/413	39/419	39/425		39/431	j	39/762	40/129	40/135	40/141		40/165		40/171		42/61		42/477		39/297	40/20			40/26	40/32		29/455	31/228		29/607	31/228		30/318	31/228	39/69	39/491	39/522	
14% 14%	14%		14%	14%			14%	14%	14%	14%		14%		14%		14%		14%		14%	14%			14%	18%			18%			18%			16%	18%	18%	18%
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		herein with his separate SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC			SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	CW/N Droduction Common 110			
Dorothy Dean, widow Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a married woman, dealing herein with her separate	property	Christine Ballato, f/k/a Christine Little, divorced, dealing herein with her separate property	James R. Piccirillo, a married man, dealing herein	with his separate property	Deborah McGrath, f/k/a Deborah Little, married,	dealing herein with her separate property	Susan Clark, single	Lynn Oroian, single	Linda Miller, widow	Donald James Smith, married, dealing herein with his	separate property	Susan Shamp, married, dealing herein with her	separate property	Lora Mae Dunn Gurule, married, dealing herein with	her separate property	Kevin Sarlo, married, dealing herein with his separate	property	Chauncey T. Hall, a married man, dealing herein wih	his separate property	Mary Catherine Janeshek Croce, single		Alice Yvonne Janeshek Mieczkowski, a married	woman, dealing in her separate property	Joseph Janeshek, a married man	Robert L. Mozingo and Betty Lou Mozingo, husband	and wife		Clarence Mozingo, a married man dealing in his sole	and separate property		Thomas Otis Brown, a married man dealing in his	sole and separate property		Fresh Oil Ministries	Virginia L. Ewing, a single woman	Alice Mozingo Clifton, widow	John Steven Bohinson married dealing herein with

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her separate property			39/220	U
James Michael Robinson, married, dealing herein	SWN Production Company, LLC	18%		505 NEI
with his separate property	:		39/228	• 0
Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785	7.
Harriet Mozingo Cummings, married, deaing herein	SWN Production Company, LLC	18%	J	- 1
with her separate property			40/13	HI
Joseph Izzo, single	SWN Production Company, LLC	18%		ιιοι Μ Μ
Anthony A. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property	:		40/97	
Albert O. Izzo, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			40/104	
Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111	
Jack Keating, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			40/183	·
	SWN Production Company, LLC	18%		
Doris McCormick, f/k/a Doris Keating, married,				
dealing herein with her separate property			40/190	
Robert E. Noah, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property	-		41/702	
Jacqueline B. Johnson, married, deailng herein with	- SWN Production Company, LLC	18%		
her separate property			41/744	
Jill Hoover, f/k/a Jill Keating, married, dealing herein	SWN Production Company, LLC	18%		
with her separate property	:		41/751	
Kevin Noah, single	SWN Production Company, LLC	18%	42/37	
Larry Keating, married, dealing herein with his	SWN Production Company, LLC	18%	•	********
separate property	:		42/317	
	SWN Production Company, LLC	18%		
Debra Jean Dawson f/k/a Debra Robinson, married,				
dealing herein with her separate property			42/329	
William Willard Keating, married, dealing herein with	married, dealing herein with SWN Production Company, LLC	18%		
his separate property			42/483	
Paula Seckman, f/k/a (Paula Keating, married,	SWN Production Company, LLC	18%		,
dealing herein with her separate property			42/290	
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497	
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			42/640	
Gail Noah, single	SWN Production Company, LLC	18%	43/166	
Bruce Anderson, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			47/410	
Carolyn J. Johnson, married, dealing herein with her	SWN Production Company, LLC	18%		
separate property			45/742	
John W. Johnson. Jr., married, dealing herein with his	rried, dealing herein with his SWN Production Company 11C	10%		
	carrie company, and	TO/0		_

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

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Wy Department of Environmental Protection

470080074	blooke County, west viiginia		
	Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	18%	
	with her separate property		38/47
	Evelyn Pasco, a widow SWN Production Company, LLC	18%	39/407
	Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC	18%	o D
	her separate property		41/232 写市
	Donald Dalton, a married man, dealing herein with SWN Production Company, LLC	18%	LO!
	nis separate property	,	41/23810
	i nomas Clark, a married man, dealing herein with his SWN Production Company, LLC separate property	18%	41/732 VANC.
	SWN Production Company, LLC	18%	
	Joan Giannini, by her attorney in fact Lisa Giannini		42/634
	Harold Rex Strawn, a married man, dealing herein SWN Production Company, LLC	18%	
	with his separate property		46/290
	Shirley Ann Dunn Wheeler, a widow SWN Production Company, LLC	18%	39/515
	Ruth Elaine Rogerson, a married woman, dealing SWN Production Company, LLC	18%	
	herein with her separate property		39/584
	Karen Kim, a married woman, dealing herein with SWN Production Company, LLC	18%	
	her separate property		39/779
	Bruce Dunn, a married man, dealing herein with his SWN Production Company, LLC	18%	
			40/48
	Angela Anderson, divorced SWN Production Company, LLC	18%	40/60
	Craig Dunn, a married man, deaing herein with his SWN Production Company, LLC	18%	
	separate property		40/66
	Sara Stafford, a widow SWN Production Company, LLC	18%	40/84
	SWN Production Company, LLC	18%	
	Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a		
	single woman, represented herein by her attorney in		
	fact, Dennis J. Wheeler		40/147
	Kimberly R. Jackson, a married woman, dealing SWN Production Company, LLC	18%	
	herein with her separate property		40/159
	Barbara Parrish, widow SWN Production Company, LLC	18%	41/184
	Becky Loewe, a married woman, dealing herein with SWN Production Company, LLC	18%	
	her separate property		41/190
	Candice Owens, a married woman, dealing herein SWN Production Company, LLC	18%	
	with her separate property		41/208
	Donald Martin, a married man, dealing herein with SWN Production Company, LLC	18%	
			41/244
	Megan McClain, single SWN Production Company, LLC	18%	41/672
	Gerald McClain, a married man, dealing herein with SWN Production Company, LLC	18%	
			41/776
	John Mossgrove, a married man, dealing herein with SWN Production Company, LLC	18%	
	separate property		42/1
	Leslie C. Hildebrand, a married woman, dealing SWN Production Company. LLC	18%	
		10/0	

With their separate Benzo Kemper, a	property (katheriga A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	18%	41/226
		;	42/25
	SWN Production Company, LLC	18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489
	SWN Production Company, LLC	18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%	
			47/42
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%	
			47/131
John R. Clark, a single man	SWN Production Company, LLC	18%	47/233
	CIAIN Production Company 110	1/0%	20//13
		2 2	221 (22
Stephanie J. Blundon, I/K/a Stephanie Piccifilo, a married woman, dealing herein with her separate	swin Production Company, LLC	14%	
			39/419
	SWN Production Company, LLC	14%	
Christine Ballato, f/k/a Christine Little, divorced,			
dealing herein with her separate property			39/425
herein	SWN Production Company, LLC	14%	
)			39/431
	SWN Production Company, LLC	14%	
Deborah McGrath, f/k/a Deborah Little, married,			
dealing herein with her separate property			39/762
	SWN Production Company, LLC	14%	40/129
	SWN Production Company, LLC	14%	40/135
	SWN Production Company, LLC	14%	40/141
Donald James Smith, married, dealing herein with his	SWN Production Company, 11C	14%	
0		1	40/165
		ì	40/103
Susan Shamp, married, dealing herein with her	SWN Production Company, LLC	14%	
			40/171
Lora Mae Dunn Gurule, married, dealing herein with	SWN Production Company, LLC	14%	
			42/61
ng herein with his separate	Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC	14%	
			42/477
Chauncey T. Hall, a married man, dealing herein wih	SWN Production Company, LLC	14%	
			39/297
Mary Catherine Janeshek Croce. single	SWN Production Company, 11C	14%	40/20
	SWN Production Company, LLC	14%	ļ
Alice Yvonne Janeshek Mieczkowski, a married			
woman, dealing in her separate property			40/26
	SWN Production Company, LLC	14%	40/32
Mozingo, husband		18%	
	Chesapeake Appalachia, L.L.C.		29/455

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Carence Mozingo a married man dealing in his cole	olos side	70%	Pue NAED
iai cii ce ivioziii go, a manieu maii ueaiii g iii iiis sole		10%	
and separate property	Chesapeake Appalachia, L.L.C.		
	SWN Production Company, LLC		31/228
Thomas Otis Brown, a married man dealing in his		18%	
sole and separate property	Chesapeake Appalachia, L.L.C.		30/318
	SWN Production Company, LLC		31/228
Fresh Oil Ministries	SWN Production Company, LLC	16%	69/68
Virginia L. Ewing, a single woman	SWN Production Company, LLC	18%	39/491
Alice Mozingo Clifton, widow	SWN Production Company, LLC	18%	39/522
John Steven Robinson, married, dealing herein with	SWN Production Company, LLC	18%	
his separate property			39/529
Sussan Kelly Vollbrecht, married, dealing herein with	SWN Production Company, LLC	18%	
her separate property			39/220
James Michael Robinson, married, dealing herein	SWN Production Company, LLC	18%	
with his separate property	:		39/558
Thomas Allan Robinson, single	SWN Production Company, LLC	18%	39/785
Harriet Mozingo Cummings, married, deaing herein	SWN Production Company, LLC	18%	
with her separate property			40/13
Joseph Izzo, single	SWN Production Company 110	18%	40/90
Anthony A 1220 married dealing herein with his	SWM Production Company 11C	18%	25/25
separate property	סייין ייסייין כייון אַפּוּין, בבל	707	70/07
Albert O. Izzo, married, dealing herein with his	SWN Production Company 11C	18%	ic for
separate property			40/104
Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111
Jack Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			40/183
	SWN Production Company, LLC	18%	
Doris McCormick, 1/k/a Doris Keating, married, dealing herein with her separate property			40/190
Robert E. Noah, married, dealing herein with his	SWN Production Company 11C	18%	act for
separate property		20	41/702
Jacqueline B. Johnson, married, deailng herein with	SWN Production Company, LLC	18%	
her separate property			41/744
Jill Hoover, f/k/a Jill Keating, married, dealing herein	SWN Production Company, LLC	18%	
with her separate property			41/751
Kevin Noah, single	SWN Production Company, LLC	18%	42/37
Larry Keating, married, dealing herein with his	SWN Production Company, LLC	18%	
separate property			42/317
Debra Jean Dawson f/k/a Debra Robinson married	SWN Production Company, LLC	18%	
dealing herein with her separate property			42/329
William Willard Keating, married, dealing herein with SWN Production Company, LLC	SWN Production Company, LLC	18%	1
his separate property			42/483
Daula Cockman #/h/a /Daula Vosting married			
ania sechilali, i/ n/ a (raula neatilig, ilialileu,	SWN Production Company, LLC	18%	

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

Brian Teslovich BRK 405H Brooke County, West Virginia

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	711	100/	707/07
	Swin Production Company, LLC	18%	164/74
Richard Keating, married, dealing herein with his SWN Pro	SWN Production Company, LLC	18%	
•	:		42/640
	SWN Production Company 11C	18%	43/166
married dealing herein with his	SWN broduction Company 110	18%	
W.C.I.	ממכנוסו כסווףמון, בבנ	201	47/410
. married, dealing herein with her	SWN Production Company, LLC	18%	
		}	45/742
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC	oduction Company, LLC	18%	
separate property			45/736
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	oduction Company, LLC	18%	
with her separate property			38/47
Evelyn Pasco, a widow SWN Pr	SWN Production Company, LLC	18%	39/407
Diana Smyth, a married woman, dealing herein with SWN Pri	SWN Production Company, LLC	18%	
			41/232
ied man, dealing herein with	SWN Production Company, LLC	18%	
			41/238
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	oduction Company, LLC	18%	
separate property			41/732
	SWN Production Company, LLC	18%	
Joan Giannini, by her attorney in fact Lisa Giannini			42/634
ied man, dealing herein	SWN Production Company, LLC	18%	
with his separate property			46/290
	SWN Production Company, LLC	18%	39/515
Ruth Elaine Rogerson, a married woman, dealing SWN Pr	SWN Production Company, LLC	18%	
herein with her separate property			39/584
Karen Kim, a married woman, dealing herein with SWN Pr	SWN Production Company, LLC	18%	
her separate property			39/779
Bruce Dunn, a married man, dealing herein with his SWN Pr	SWN Production Company, LLC	18%	
separate property			40/48
Angela Anderson, divorced SWN Pr	SWN Production Company, LLC	18%	40/60
Craig Dunn, a married man, deaing herein with his SWN Pr	SWN Production Company, LLC	18%	
separate property			40/66
	SWN Production Company, LLC	18%	40/84
SWN Pr	SWN Production Company, LLC	18%	
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a			
single woman, represented herein by her attorney in			
fact, Dennis J. Wheeler			40/147
Kimberly R. Jackson, a married woman, dealing SWN Pr	SWN Production Company, LLC	18%	
			40/159
Barbara Parrish, widow SWN Pr	SWN Production Company, LLC	18%	41/184
Becky Loewe, a married woman, dealing herein with SWN Pr	SWN Production Company, LLC	18%	
			41/190
ried woman, dealing herein	SWN Production Company, LLC	18%	

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator

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Brian Teslovich BRK 405H Brooke County, West Virginia

Its separate property Mega McClain, single Geald McClain, single G	Polisia Martin, a manned man, deaning hereim with	Our (fundamental series)			· -
SWN Production Company, LLC 18% 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/776 41/778 4	his separate property	,			00 P. Q.
SWN Production Company, LLC 18% 41/776 42/5	Megan McClain, single	SWN Production Company, LLC	18%		070 Sue Sue Sue Sue Sue Sue Sue Sue Sue Sue
SWN Production Company, LLC 18% 42/1 18% 42/5 18% 42/6	Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC	18%		
18	his separate property				
18	John Mossgrove, a married man, dealing herein with		18%		Plue Pde
18% 42/55	separate property				NA PIN PIN PIN PIN PIN PIN PIN PIN PIN PIN
SWN Production Company, LLC 18% 41/256	Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC	18%		101 1/V
Nemper, a SWN Production Company, LLC	herein with her separate property			42/55	'nυ
swn Production Company, LLC Swn Production C	Cindy L. Rasmussen, dealing herein with her separate	E SWN Production Company, LLC	18%		∃
SWN Production Company, LLC SW	property			41/226	
SWN Production Company, LLC sparate SWN Production Company, LLC SWN Production Company	Katherine A. Kemper, aka Katherine Benzo Kemper, a	B SWN Production Company, LLC	18%		
SWN Production Company, LLC sparate SWN Production Company, LLC SWN Production Company	widowed woman			42/25	
SWN Production Company, LLC SW	Elwood McDougan, a widower	SWN Production Company, LLC	18%	41/758	
her SWN Production Company, LLC 18% his SWN Production Company, LLC 18% SWN Production Company, LLC 14% SWN Production Company, LLC 14% eparate SWN Production Company, LLC 14% herein SWN Production Company, LLC 14% In senarate SWN Production Company, LLC 14% SWN Production Company, LLC 14% SWN Production Company, LLC 14% In senarate SWN Production Company, LLC 14%	Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC	18%	46/489	
his SWN Production Company, LLC Arried, SWN Production Company, LLC SWN Production Com	Sharen Clark, single	SWN Production Company, LLC	18%	47/36	
his SWN Production Company, LLC SWN Production Company, LL	Karen Perry, married, dealing herein with her	SWN Production Company, LLC	18%		
his SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC 14% proced, SWN Production Company, LLC 14% Herein with his SWN Production Company, LLC 14% SWN Production Company, LLC 14% It swn Production Company, LLC It shall SWN Pr	separate property			47/42	
SWN Production Company, LLC SWN Production Company, LLC 14% eparate SWN Production Company, LLC 14% orced, herein SWN Production Company, LLC	Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC	18%		
SWN Production Company, LLC SWN Production Company, LLC 14% eparate SWN Production Company, LLC 14% orced, herein SWN Production Company, LLC	separate property			47/131	
SWN Production Company, LLC 14% eparate SWN Production Company, LLC 14% orced, herein SWN Production Company, LLC 14% In SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC In SWN Production Company, LLC	John R. Clark, a single man	SWN Production Company, LLC	18%	47/233	
irillo, a SWN Production Company, LLC eparate SWN Production Company, LLC 14% herein SWN Production Company, LLC 14% It shall SWN Production Company, LLC It shall SWN Producti	Dorothy Dean, widow	SWN Production Company, LLC	14%	39/413	
eparate SWN Production Company, LLC 14% herein SWN Production Company, LLC 14% her SWN Production Company, LLC 14% 14% 14% 14% 14% 14% 14% 14	Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC	14%		
SWN Production Company, LLC 14% herein SWN Production Company, LLC 14% 14% 14% It is swn Production Company, LLC SWN Production Company, LLC It is senarate SWN Prod	married woman, dealing herein with her separate				
swn Production Company, LLC herein Swn Production Company, LLC arried, Swn Production Company, LLC Here Swn Production Company, LLC 14% 14% 14% In senarate Swn Production Company, LLC In serion with his Swn Production Company, LLC In serion with Sw	property			39/419	
herein SWN Production Company, LLC 14% her SWN Production Company, LLC 14% its senarate SWN Production Company, LLC 14% lerein with SWN Production Company, LLC 14%		SWN Production Company, LLC	14%		
herein SWN Production Company, LLC 14% arried, SWN Production Company, LLC 14% SWN Production Company, LLC 14% SWN Production Company, LLC 14% in with his SWN Production Company, LLC 14% her SWN Production Company, LLC 14% her SWN Production Company, LLC 14% is senarate SWN Production Company, LLC 14% lerein with SWN Production Company, LLC 14% lerein with SWN Production Company, LLC 14%	Christine Ballato, f/k/a Christine Little, divorced,				
man, dealing herein SWN Production Company, LLC 14% orah Little, married, rate property SWN Production Company, LLC 14% orange herein with his SWN Production Company, LLC 14% ried, dealing herein with SWN Production Company, LLC 14% ried, dealing herein with SWN Production Company, LLC 14% ried, dealing herein with SWN Production Company, LLC 14%	dealing herein with her separate property			39/425	
SWN Production Company, LLC 14% rate property SWN Production Company, LLC 14% 14% ing herein with his SWN Production Company, LLC 14% 14% 14% 14% 14% 14%		SWN Production Company, LLC	14%		
SWN Production Company, LLC rate property SWN Production Company, LLC Tied, dealing herein with his SWN Production Company, LLC Tied, dealing herein with SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein with his senarate SWN Production Company, LLC Tied, dealing herein With His SWN Production Company, LLC Tied, dealing herein With His SWN Production Company, LLC Tied, dealing herein With His SWN Production Company, LLC Tied, dealing herein With His SWN Production Company, LLC Tied, dealing herein With His SWN Production Company, LLC Tied, dealing herein With His SWN Production Company, LLC Tied, dealing herein With His SWN Production Company, LLC Tied, dealing here				39/431	
overah Little, married, Irate property SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC d, dealing herein with his SWN Production Company, LLC Ing herein with her SWN Production Company, LLC Item Tied, dealing herein with SWN Production Company, LLC Item Tied, dealing herein with SWN Production Company, LLC Item Therein with his senarate SWN Production Company, LLC Item Therein with his senarate SWN Production Company, LLC Item Therein with his senarate SWN Production Company, LLC Item Therein with his senarate		SWN Production Company, LLC	14%		
Independing herein with his SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC 14% SWN Production Company, LLC 14% 14% 14% 14% 14% 14% 14% 14	Deborah McGrath, f/k/a Deborah Little, married,				
SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC 14% d, dealing herein with his SWN Production Company, LLC 14% ried, dealing herein with SWN Production Company, LLC 14% 14% 14% 14% 14% 14% 14% 14% 14% 14%	dealing herein with her separate property			39/762	
SWN Production Company, LLC SWN Production Company, LLC 14% d, dealing herein with his SWN Production Company, LLC 16d, dealing herein with SWN Production Company, LLC 178% 1888 1988 1988 1988 1988 1988 1988 1988 1988 1988 1988 1988 1988	Susan Clark, single	SWN Production Company, LLC	14%	40/129	
SWN Production Company, LLC d, dealing herein with his SWN Production Company, LLC 14% ing herein with her SWN Production Company, LLC 14% ried, dealing herein with SWN Production Company, LLC 14%	Lynn Oroian, single	SWN Production Company, LLC	14%	40/135	
d, dealing herein with his SWN Production Company, LLC 14% 16, dealing herein with BWN Production Company, LLC 16, dealing herein with his senarate SWN Production Company, LLC 17%	Linda Miller, widow	SWN Production Company, LLC	14%	40/141	
ing herein with her SWN Production Company, LLC 14% ried, dealing herein with SWN Production Company, LLC 14%	Donald James Smith, married, dealing herein with his		14%		
ing herein with her SWN Production Company, LLC 14% ried, dealing herein with SWN Production Company, LLC 14%	separate property	:		40/165	
ried, dealing herein with SWN Production Company, LLC 14% therein with his senarate SWN Production Company LLC		SWN Production Company, LLC	14%		
ried, dealing herein with SWN Production Company, LLC 14% Production Company 11C	separate property			40/171	
lealing herein with his senarate SWN Production Company 11C 14%	Lora Mae Dunn Gurule, married, dealing herein with		14%		
herein with his separate SWN Production Company 11C		1		42/61	
mercial with the separate swill reduction company, etc.	Kevin Sarlo, married, dealing herein with his separate	e SWN Production Company, LLC	14%		

SB	20 20 20 20 20 20 20	39/297 EN A STORY OF	40/20 EC 0	letico de la companya	AN (A)	<i>W</i>	40/32 ∑:≧	*		31/228		29/607	31/228		30/318	31/228	69/68	39/491	39/522		39/529		39/550		39/558	39/785		40/13	40/90		40/97		40/104	40/111		40/183			40/190		41/702		41/744		41/751
	14%		14%	14%			14%	18%			18%			18%			16%	18%	18%	18%		18%		18%		18%	18%		18%	18%		18%		18%	18%		18%			18%		18%		18%	
Brooke County, West Virginia	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC			SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	:	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC			SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	
	Chauncev T. Hall, a married man, dealing herein wih		Mary Catherine Janeshek Croce, single		Alice Yvonne Janeshek Mieczkowski, a married	woman, dealing in her separate property	Joseph Janeshek, a married man	Robert L. Mozingo and Betty Lou Mozingo, husband	and wife C	S	Clarence Mozingo, a married man dealing in his sole	and separate property	S	Thomas Otis Brown, a married man dealing in his	sole and separate property	S	Fresh Oil Ministries	Virginia L. Ewing, a single woman		d, dealing herein with	his separate property	nt, married, dealing herein with		James Michael Robinson, married, dealing herein		gle	arried, deaing herein			arried, dealing herein with his		Albert O. Izzo, married, dealing herein with his	separate property		ied, dealing herein with his	separate property		Doris Miccormick, 1/K/a Doris Reating, married,	eparate property	arried, dealing herein with his		married, deailng herein with	her separate property	Jill Hoover, f/k/a Jill Keating, married, dealing herein SWN Production Company, LLC	with her separate property
								3-836-37																						-															

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRK 405H Brooke County, West Virginia

kevin Noah, single Larry Keating, married, dealing herein with his separate property SWN Production Company, LLC Separate property SWN Production Company, LLC Separate property William Willard Keating, married, dealing herein with her separate property Paula Seckman, f/k/a (Paula Keating, married, dealing herein with his separate property Ashley Anderson, single Richard Keating, married, dealing herein with his separate property Gail Noah, single Bruce Anderson, married, dealing herein with his separate property Carolyn J. Johnson, married, dealing herein with his separate property John W. Johnson, married, dealing herein with his separate property John W. Johnson, married, dealing herein with his separate property John W. Johnson, married, dealing herein with his separate property John W. Johnson, a married, dealing herein with his separate property John W. Johnson, a married woman, dealing herein SWN Production Company, LLC separate property John W. Swn Production Company, LLC separate property John W. Johnson, a married woman, dealing herein SWN Production Company, LLC separate property John W. Johnson, a married woman, dealing herein with his SWN Production Company, LLC separate property John W. Johnson, a married woman, dealing herein with his SWN Production Company, LLC separate property John W. Johnson, a married woman, dealing herein with his SWN Production Company, LLC separate property John W. Johnson, a married woman, dealing herein with his SWN Production Company, LLC separate property John W. Johnson, married, dealing herein with his SWN Production Company, LLC separate property John W. Johnson, married, dealing herein with his SWN Production Company, LLC separate property John W. Johnson, married, dealing herein with his SWN Production Company, LLC SWN Pr	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC erein with SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC ith his SWN Production Company, LLC SWN Production Company, LLC	18% 18% 18% 18% 18% 18% 18% 18% 18% 18%	42/317 42/317 42/317 42/317 42/329 42/329 42/483 42/483 42/497 42/640 43/166 43/166 43/166 45/742 45/742 45/736 38/47 39/407
	SWN Production Company, LLC	18%	38/47 39/407
her separate property Donald Dalton, a married man, dealing herein with his separate property	SWN Production Company, LLC	18%	41/232 41/238
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC separate property SWN Production Company, LLC loan Giannini by her attorney in fact I is a Giannini	SWN Production Company, LLC SWN Production Company, LLC	18% 18%	41/732 42/634
Harold Rex Strawn, a married man, dealing herein with his separate property Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18% 18%	46/290 39/515
Ruth Elaine Rogerson, a married woman, dealing herein with her separate property Karen Kim, a married woman, dealing herein with	SWN Production Company, LLC SWN Production Company, LLC	18%	39/584
her separate property Bruce Dunn, a married man, dealing herein with his separate property	SWN Production Company, LLC	18%	39/779 40/48
Angela Anderson, divorced Craig Dunn, a married man, deaing herein with his separate property	SWN Production Company, LLC SWN Production Company, LLC	18% 18%	40/60 40/66
Sara Stafford, a widow	SWN Production Company, LLC	18%	40/84

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRK 405H

Environmental Protection

	40/129	14%	SWN Production Company, LLC	Susan Clark, single
	20/762			Deborah McGrath, f/k/a Deborah Little, married,
		14%	SWN Production Company, LLC	
	39/431		!	with his separate property
		14%	SWN Production Company, LLC	James R. Piccirillo, a married man, dealing herein
****	39/425		ı	dealing herein with her separate property
		1		Christine Ballato, f/k/a Christine Little, divorced,
	•	14%	SWN Production Company 110	or other car
	39/419			property
		,	Swin Floudellon Company, Fee	married woman dealing herein with her senarate
	;	14%	- SWIN Broduction Company IIC	Stophanic I Dividon f/k/a Stophanic Disciville a
	39/413	14%	SWN Production Company IIC	Dorothy Dean widow
	47/233	18%	SWN Production Company, LLC	John R. Clark, a single man
	47/131			separate property
		18%	SWN Production Company, LLC	Ronald T. Clark, a married man dealing in his
	47/42			separate property
		18%	SWN Production Company, LLC	Karen Perry, married, dealing herein with her
	47/36	18%	SWN Production Company, LLC	Sharen Clark, single
	46/489	18%	SWN Production Company, LLC	Robert Calvin Mozingo, Jr., single
	41/758	18%	SWN Production Company, LLC	Elwood McDougan, a widower
	42/25			widowed woman
		18%	SWN Production Company, LLC	Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC
	41/226			property
		18%	SWN Production Company, LLC	Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC
	42/55		•	herein with her separate property
		18%	SWN Production Company, LLC	Leslie C. Hildebrand, a married woman, dealing
	42/1			separate property
		18%	SWN Production Company, LLC	John Mossgrove, a married man, dealing herein with SWN Production Company, LLC
	41/776		•	his separate property
		18%	SWN Production Company, LLC	Gerald McClain, a married man, dealing herein with
	41/672	18%	SWN Production Company, LLC	Megan McClain, single
	41/244			his separate property
		18%	SWN Production Company, LLC	Donald Martin, a married man, dealing herein with
	41/208			with her separate property
		18%	SWN Production Company, LLC	Candice Owens, a married woman, dealing herein
	41/190			her separate property
		18%	SWN Production Company, LLC	Becky Loewe, a married woman, dealing herein with SWN Production Company, LLC
E	41/184	18%	SWN Production Company, LLC	Barbara Parrish, widow
עח'				nerein with ner separate property
Wiron	40/159	18%	SWN Production Company, LLC	Kimberly R. Jackson, a married woman, dealing
Of NA On	/+T/O+	į		fact, Dennis J. Wheeler
epa				single woman, represented herein by her attorney in
riei of 2 (~ .			Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a
1 21		18%	SWN Production Company, LLC	
ED and 020			Brooke County, West Virginia	Brooke Co
Ga			Brian Teslovich BRK 405H	Brian Le
8				

EXHIBIT A

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

Rejorith RRK 405H

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with her separate property Joseph Izzo, single Anthony A. Izzo, married, dealing herein with his separate property Albert O. Izzo, married, dealing herein with his separate property Vertically of the Newtons Izzo, married	John Steven Robinson, married, dealing herein with SWN Production Company, LLC his separate property Sussan Kelly Vollbrecht, married, dealing herein with SWN Production Company, LLC her separate property James Michael Robinson, married, dealing herein SWN Production Company, LLC with his separate property Thomas Allan Robinson, single SWN Production Company, LLC with Maring Company, LLC and the single SWN Production Company, LLC begins Maring Company, LLC and the single SWN Production Comp	3-B36-35.1 Robert L. Mozingo and Betty Lou Mozingo, husband and wife Clarence Mozingo, a married man dealing in his sole and separate property Thomas Otis Brown, a married man dealing in his sole and separate property Fresh Oil Ministries Virginia L. Ewing, a single woman Alice Mozingo Clifton, widow	Lynn Oroian, single Linda Miller, widow Donald James Smith, married, dealing here separate property Susan Shamp, married, dealing herein with separate property Lora Mae Dunn Gurule, married, dealing he her separate property Kevin Sarlo, married, dealing herein with h property Chauncey T. Hall, a married man, dealing h his separate property Mary Catherine Janeshek Croce, single Alice Yvonne Janeshek Mieczkowski, a mar woman, dealing in her separate property Joseph Janeshek, a married man
SWN Production Company, LLC nis SWN Production Company, LLC SWN Production Company, LLC			SWN Production Company, LLC SWN Production Company, LLC in with his SWN Production Company, LLC her SWN Production Company, LLC rein with SWN Production Company, LLC separate SWN Production Company, LLC
18% 18% 18%	18% 18% 18%	18% 18% 18% 18%	14% 14% 14% 14% 14% 14% 14% 14%
40/13 40/90 40/97 40/104 40/111	39/529 39/550 39/558 39/785	29/455 31/228 29/607 31/228 30/318 31/228 39/69 39/69 39/491	40/135 40/135 40/141 40/141 40/165 40/171 42/61 42/61 42/477 42/477 40/26 40/26 40/32

EXHIBIT A

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRK 405H

Brooke County, West Virginia

WV Department of Protection

Brooke Co	Brian Testovich Brk 405H Brooke County, West Virginia			રેડ
Jack Keating, married, dealing herein with his	SWN Production Company, LLC	18%		TED Sind G
separate property			40/183	
	SWN Production Company, LLC	18%		/. II
Doris McCormick, f/k/a Doris Keating, married,				٠,
dealing herein with her separate property Robert E. Noah, married, dealing herein with his	SWN Production Company, LLC	18%	40/190	MA VV D
separate property	. :		41/702	V Vir
Jacqueline B. Johnson, married, deailng herein with	SWN Production Company, LLC	18%	•	Ei
her separate property	I		41/744	
Jill Hoover, f/k/a Jill Keating, married, dealing herein	SWN Production Company, LLC	18%		
with her separate property			41/751	
Kevin Noah, single	SWN Production Company, LLC	18%	42/37	
Larry Keating, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property	1		42/317	
	SWN Production Company, LLC	18%		
Debra Jean Dawson f/k/a Debra Robinson, married,			42/220	
William Willard Keating married dealing herein with SWN Production Company 110	SWN Production Company 110	18%	46/36	
his separate property	. :		42/483	
Paula Seckman, f/k/a (Paula Keating, married,	SWN Production Company, LLC	18%		
dealing herein with her separate property			42/290	-
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497	
Richard Keating, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property			42/640	
Gail Noah, single	SWN Production Company, LLC	18%	43/166	
Bruce Anderson, married, dealing herein with his	SWN Production Company, LLC	18%		
separate property		<u>.</u>	47/410	
Carolyn J. Johnson, married, dealing herein with her	SWN Production Company, LLC	18%	i i	
separate property			45/742	
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC	is SWN Production Company, LLC	18%	i i	
separate property		}	45/736	
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	n SWN Production Company, LLC	18%		
with her separate property			38/47	
Evelyn Pasco, a widow	SWN Production Company, LLC	18%	39/407	
Diana Smyth, a married woman, dealing herein with	SWN Production Company, LLC	18%		
ner separate property		}	757/14	
Donald Dalton, a married man, dealing herein with	SWN Production Company, LLC	18%	11/228	
Thomas Clark a mounted man decline housin with his	- CWAI Droduction Company IIC	18%	11/100	
separate property	is 3ww Fioduction company, Ecc		41/732	
	SWN Production Company, LLC	18%		
Joan Giannini, by her attorney in fact Lisa Giannini			42/634	
Harold Rex Strawn, a married man, dealing herein	SWN Production Company, LLC	18%	•	
with his separate property			46/290	
Shirley Ann Dunn Wheeler, a widow	SWN Production Company, LLC	18%	39/515	

EXHIBIT A Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRK 405H Brooke County, West Virginia

EXHIBIT A

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

Brian Teslovich BRK 405H

Brooke County, West Virginia

Brooke County, West Virginia

								-								12	2									•																						
her separate	Sussan Kelly	his separate property	John Steven	Alice Mozing	Virginia L. Ev	Fresh Oil Ministries		sole and sep		Thomas Otio		and separate property	Clarence Mc		aid wile	3-836-34 Robert C. Michael Rob		Joseph Jane	woman, dea	Alice Yvonne		Mary Cather	his separate property	Chauncey T.	property	Kevin Sario,	ner separate property		Lora Mae Du	separate property	Susan Sham	separate property	Donald Jame	Linda Miller, widow	Lynn Oroian, single	Susan Clark, single	dealing here	Deborah Mc		with his sepa	James R. Pic	dealing here	Christine Bal		property	married wor	Stephanie J.	4 0000
her separate property	Sussan Kelly Vollbrecht, married, dealing herein with SWN Production Company, LLC	property	John Steven Robinson, married, dealing herein with	Alice Mozingo Clifton, widow	Virginia L. Ewing, a single woman	nistries		sole and separate property	biothy a manifed man deam 6 minus	Thomas Otis Brown a married man dealing in his		e property	Clarence Mozingo, a married man dealing in his sole			Robert L. Wozingo and Betty Lou Wozingo, nusband and wife	aring and Both, I am Maringa hughand	Joseph Janeshek, a married man	woman, dealing in her separate property	Alice Yvonne Janeshek Mieczkowski, a married		Mary Catherine Janeshek Croce, single	property	Chauncey T. Hall, a married man, dealing herein wih		Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC	property	and desired interest accoming into the second	ora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC	perty	Susan Shamp, married, dealing herein with her	perty	Donald James Smith, married, dealing herein with his SWN Production Company, LLC	widow	single	single	dealing herein with her separate property	Deborah McGrath, f/k/a Deborah Little, married,		with his separate property	James R. Piccirillo, a married man, dealing herein	dealing herein with her separate property	orced,			married woman, dealing herein with her separate	Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	
	h SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	Cilesapeake Appalacilla, L.L.C.	Chocanosko Appalachia I I C		SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	Citesapeake Apparacilia, E.E.C.	Charanata Annalachia I I C		SWN Production Company, LLC			SWN Production Company, LLC	SWN Production Company, LLC	1	SWN Production Company, LLC		e SWN Production Company, LLC		Company) ==0	SWN Production Company, LLC		SWN Production Company, LLC		s SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC			SWN Production Company, LLC	!	SWN Production Company, LLC	Off	F ice	SWN Production Company, LLC 逆 ち) Oil	VE <u>I</u>	SWN Production Company, LLC	: as
	18%		18%	18%	18%	16%				18%			78X			16%	18%	14%			14%	14%		14%	•	14%	110	!	14%		14%		14%	14%	14%	14%			14%	Er		IVI/	41	2	U	20	120 of ecti	
39/550		39/529		39/522	39/491	39/69	31/228	016/00	20/218		31/228	29/607		21/220	21/22	29/455		40/32	40/26			40/20	39/297	1	42/477	,	10/24	42/61		40/171		40/165		40/141	40/135	40/129	39/762			39/431		39/425			39/419			
	•															0%	0%																															

EXHIBIT A

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

Brian Teslovich BRK 405H

Brooke	5
County, West Vir.	COLONICIA DIVIN TOOL
Virginia	:

A 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Brian Teslovich BRK 405H Brooke County, West Virginia herein SWN Production Company, LLC SWN Production Company, LLC g herein SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	18% 18% 18% 18%	39/558 39/785 40/13 40/90
rried, dealing herein with his athleen izzo. widow	SWN Production Company, LLC	18% 18%	40/104 40/111
Jack Keating, married, dealing herein with his separate property	SWN Production Company, LLC	18%	40/183
Doris McCormick, f/k/a Doris Keating, married,	SWN Production Company, LLC	18%	
22.	SWN Production Company, LLC	18%	40/190
separate property Jacqueline B. Johnson, married, deailng herein with	SWN Production Company, LLC	18%	41/702
eating, perty	married, dealing herein SWN Production Company, LLC	18%	41/751
ling herein with his	SWN Production Company, LLC SWN Production Company, LLC	18% 18%	42/37
Debra Jean Dawson f/k/a Debra Robinson, married.	SWN Production Company, LLC	18%	
dealing herein with her separate property William Willard Keating, married, dealing herein with SWN Production Company, LLC	SWN Production Company, LLC	18%	42/329
ried,	SWN Production Company, LLC	18%	42/483 42/290
Ashley Anderson, single	SWN Production Company, LLC	18%	42/497
Richard Keating, married, dealing herein with his separate property	SWN Production Company, LLC	18%	42/640
narried, dealing herein with his	SWN Production Company, LLC SWN Production Company, LLC	18% 18%	43/166 47/410
Carolyn J. Johnson, married, dealing herein with her SWN Production Company, LLC separate property	SWN Production Company, LLC	18%	45/742
John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC separate property	SWN Production Company, LLC	18%	45/736
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC with her separate property Evelyn Pasco, a widow SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC	18% 18%	38/47 39/407

Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator **EXHIBIT A**

Brian Teslovich BRK 405H

4 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC Do his separate property

Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC Do his separate property

Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC Do his separate property Craig Dunn, a married man, deaing herein with his Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC separate property Gerald McClain, a married man, dealing herein with SWN Production Company, LLC Megan McClain, single Donald Martin, a married man, dealing herein with SWN Production Company, LLC Becky Loewe, a married woman, dealing herein with SWN Production Company, LLC single woman, represented herein by her attorney in Bruce Dunn, a married man, dealing herein with his Ruth Elaine Rogerson, a married woman, dealing Shirley Ann Dunn Wheeler, a widow with his separate property Harold Rex Strawn, a married man, dealing herein separate property Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC herein with her separate property Leslie C. Hildebrand, a married woman, dealing John Mossgrove, a married man, dealing herein with SWN Production Company, LLC his separate property his separate property with her separate property Candice Owens, a married woman, dealing herein her separate property Barbara Parrish, widow herein with her separate property Kimberly R. Jackson, a married woman, dealing Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a Sara Stafford, a widow Angela Anderson, divorced her separate property Karen Kim, a married woman, dealing herein with herein with her separate property Joan Giannini, by her attorney in fact Lisa Giannini widowed woman 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 MAY 2 0 2020 WV Department of Environmental Protection 18% 39/515 41/732 41/232 39/779 39/584 46/290 41/238 42/634 41/776 41/244 41/208 41/190 40/159 40/147 41/226 42/55 41/672 41/184 40/66 40/60 40/48 42/25 42/1

					22 3-B36-33																																							
	and separate property	Clarence Mozingo, a married man dealing in his sole		and wife	Robert L. Mozingo and Betty Lou Mozingo, husband	Joseph Janeshek, a married man	woman, dealing in her separate property	Alice Yvonne Janeshek Mieczkowski, a married		Mary Catherine Janeshek Croce, single	his separate property	Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC	property	Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC	her separate property	Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC	separate property	Susan Shamp, married, dealing herein with her	separate property	Donald James Smith, married, dealing herein with his SWN Production Company, LLC	Linda Miller, widow	Lynn Oroian, single	Susan Clark, single	dealing herein with her separate property	Deborah McGrath, f/k/a Deborah Little, married,		with his separate property	James R. Piccirillo, a married man, dealing herein	dealing herein with her separate property	Christine Ballato, f/k/a Christine Little, divorced,		property	married woman, dealing herein with her separate	Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	Dorothy Dean, widow	John R. Clark, a single man	separate property	Ronald T. Clark, a married man dealing in his	separate property	Karen Perry, married, dealing herein with her	Sharen Clark, single	Robert Calvin Mozingo, Jr., single	Elwood McDougan, a widower	
SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.	n	SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC			SWN Production Company, LLC	SWN Production Company, LLC	ļ	h SWN Production Company, LLC		te SWN Production Company, LLC		h SWN Production Company, LLC		SWN Production Company, LLC		is 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	c
		18%			18%	14%			14%	14%		14%		14%		14%		14%		14%	14%	14%	14%			14%		14%			14%			14%	14%	18%	Er	Viri Viri 18%	M M Ponr	May Del	Rice 2 artis	ECOF CONTRACTOR	21 21 St	PED Ina D2(
31/228	29/607		31/228	29/455	•	40/32	40/26			40/20	39/297		42/477		42/61		40/171		40/165		40/141	40/135	40/129	39/762			39/431		39/425			39/419			39/413				47/42		47/36	46/489		_
					0%																					-																		

EXHIBIT A

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

Brian Teslovich BRK 495H

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separate property Jacqueline B. Johnson, married, dealing herein with her separate property Jill Hoover, f/k/a Jill Keating, married, dealing herein with her separate property With her separate property Kevin Noah, single Larry Keating, married, dealing herein with his separate property Debra Jean Dawson f/k/a Debra Robinson, married, dealing herein with her separate property William Willard Keating, married, dealing herein with his separate property Paula Seckman, f/k/a (Paula Keating, married, dealing herein with her separate property Ashley Anderson, single Richard Keating, married, dealing herein with his separate property	own, a married man dealte property g, a single woman Clifton, widow binson, married, dealing operty lilbrecht, married, dealin roperty cobinson, single o Cummings, married, deal te property tobinson, single o Cummings, married, deal ate property gle o Cummings, married, deal ate property fobinson, single ck, f/k/a Doris Keating, r ck, f/k/a Doris Keating, r with her separate prope with her separate prope with her separate prope	
	Illing in his Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Ing herein with SWN Production Company, LLC	3rian Teslovich BRK 4051 0 0 9 0
18% 18% 18% 18% 18% 18% 18%	ELIVATE OF THE PROPERTY OF THE	of Stion

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47009003 3	VED and 020	•
 Gail Noah, single Bruce Anderson, married, dealing herein with his 	pany, LLC EST 0	43/166
	ice c	47/410
), married, dealing herein with h	pany, LLC Office 18%	/E /7/7
separate property John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC		7#1/C#
separate property		45/736
Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC		ì
with her separate property		38/47
Evelyn Pasco, a widow SWN Production Company, LLC		39/407
Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC	pany, LLC 18%	
		41/232
Donald Dalton, a married man, dealing herein with SWN Production Company, LLC	pany, LLC 18%	
his separate property		41/238
Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	pany, LLC 18%	
separate property		41/732
SWN Production Company, LLC	pany, LLC 18%	12/52
Harold Ray Strawn a married man dealing herein SWN Production Company 110	nany IIC 18%	
		46/290
Shirley Ann Dunn Wheeler, a widow SWN Production Company, LLC	ipany, LLC 18%	39/515
Ruth Elaine Rogerson, a married woman, dealing SWN Production Company, LLC	pany, LLC 18%	
herein with her separate property		39/584
Karen Kim, a married woman, dealing herein with SWN Production Company, LLC	ipany, LLC 18%	
her separate property		39/7/9
Bruce Dunn, a married man, dealing herein with his SWN Production Company, LLC	ipany, LLC 18%	
separate property		40/48
Angela Anderson, divorced SWN Production Company, LLC		40/60
Craig Dunn, a married man, deaing herein with his SWN Production Company, LLC	ipany, LLC 18%	0 (5)
separate property		40/66
Sara Stafford, a widow SWN Production Company, LLC		40/84
SWN Production Company, LLC	ipany, LLC 18%	
Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a		
single woman, represented herein by her attorney in		40/147
Kimberly R. Jackson, a married woman, dealing SWN Production Company, LLC	pany. LLC 18%	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
		40/159
Barbara Parrish, widow SWN Production Company, LLC	pany, LLC 18%	41/184
Becky Loewe, a married woman, dealing herein with SWN Production Company, LLC	npany, LLC 18%	
her separate property		41/190
Candice Owens, a married woman, dealing herein SWN Production Company, LLC	npany, LLC 18%	
	18%	41/208
his separate property		41/244
Megan McClain, single SWN Production Company, LLC	npany, LLC 18%	41/672

Brooke County, West Virginia		
Gerald McClain, a married man, dealing herein with SWN Production Company, LLC	18%	
his separate property		41/776
John Mossgrove, a married man, dealing herein with SWN Production Company, LLC	18%	VE
separate property		42/1

18% 41/776 DGG 18% 42/11 EIVED dGGG 18% 42/55 RECO Fice Office Of	Mary Catherine Janeshek Croce, single SWN Production Company, LLC 14%
41/776 42/1 42/55 42/55 41/226 42/25 41/758 46/489 47/42 47/42 47/131 47/233 39/413 39/419 39/425 39/425 40/129 40/136 40/141 6 42/61 6 42/61	his separate property
41/776 42/1 42/55 42/55 41/226 42/25 41/758 46/489 47/42 47/42 47/131 47/233 39/413 39/419 39/425 39/425 40/129 40/135 40/141 6 42/61 42/477	Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC 149
41/776 42/1 42/55 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/42 39/413 39/419 39/419 39/425 39/425 40/129 40/135 40/165 40/171 6 42/61	property
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/43 47/23 39/413 47/233 39/419 39/419 39/425 39/425 39/431 40/129 40/135 40/141 40/165 40/171	dealing herein with his separate SWN Production Company, LLC
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/131 47/233 39/413 39/413 39/419 39/425 39/426 40/129 40/135 40/141 40/165	her separate property
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/131 47/233 39/413 39/413 39/419 39/425 39/425 40/129 40/135 40/141 40/165	urule, married, dealing herein with SWN Production Company, LLC
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/131 47/233 39/413 39/419 39/419 39/425 39/431 39/431 39/431 40/129 40/135 40/141	separate property
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/131 47/233 39/413 39/419 39/419 39/425 39/425 39/431 39/431 40/129 40/135 40/141	Susan Shamp, married, dealing herein with her SWN Production Company, LLC 149
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/42 47/131 47/233 39/413 39/419 39/425 39/431 39/425 39/431 39/431 39/431	separate property
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/131 47/233 39/413 39/419 39/419 39/425 39/431 39/431 39/762 40/129 40/135	Donald James Smith, married, dealing herein with his SWN Production Company, LLC 149
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/131 47/233 39/413 39/419 39/425 39/425 39/762 40/129 40/135	Linda Miller, widow SWN Production Company, LLC 149
41/776 42/1 42/55 41/226 41/226 42/25 41/758 46/489 47/42 47/42 47/42 47/42 47/131 47/233 39/413 39/419 39/425 39/425 39/762 40/129	Lynn Oroian, single SWN Production Company, LLC 149
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/42 47/42 47/42 47/42 39/413 39/419 39/431 39/431	Susan Clark, single SWN Production Company, LLC 149
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/36 47/42 47/42 47/131 47/233 39/419 39/419 39/431	dealing herein with her separate property
41/776 42/1 42/55 41/226 41/226 42/25 41/758 46/489 47/36 47/42 47/42 47/131 47/233 39/413 39/419 39/425	Deborah McGrath, f/k/a Deborah Little, married,
41/776 42/1 42/55 41/226 41/226 42/25 41/758 46/489 47/42 47/42 47/42 47/42 39/413 39/419 39/431	SWN Production Company, LLC 149
41/776 42/1 42/55 41/226 41/226 42/25 41/758 46/489 47/36 47/42 47/42 47/43 39/413 39/419	with his separate property
41/776 42/1 42/55 41/226 41/226 42/25 41/758 46/489 47/36 47/42 47/42 47/43 39/413 39/419	James R. Piccirillo, a married man, dealing herein SWN Production Company, LLC 149
41/776 42/1 42/55 41/226 41/226 42/25 41/758 46/489 47/36 47/42 47/42 47/131 47/233 39/419	dealing herein with her separate property
41/776 42/1 42/55 41/226 41/226 42/25 41/758 46/489 47/36 47/42 47/42 47/131 47/233 39/419	Christine Ballato, f/k/a Christine Little, divorced,
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/36 47/42 47/131 47/233 39/419	SWN Production Company, LLC
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/36 47/42 47/131 47/233 39/413	property
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/36 47/42 47/42 47/131 47/233 39/413	married woman, dealing herein with her separate
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/36 47/42 47/42 47/131 47/233 39/413	
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/36 47/42 47/131 47/233	Dorothy Dean, widow SWN Production Company, LLC 149
41/776 42/1 42/55 41/226 41/226 41/758 46/489 47/36 47/42	John R. Clark, a single man SWN Production Company, LLC 189
41/776 42/1 42/55 41/226 41/225 41/758 46/489 47/36	separate property
41/776 42/1 42/55 41/226 41/225 41/758 46/489 47/36	Ronald T. Clark, a married man dealing in his SWN Production Company, LLC 189
41/776 42/1 42/55 41/226 41/225 41/758 46/489 47/36	separate property
41/776 42/1 42/55 41/226 41/758 46/489 47/36	Karen Perry, married, dealing herein with her SWN Production Company, LLC 189
41/776 42/1 42/55 41/226 41/758 46/489	SWN Production Company, LLC
41/776 42/1 42/55 41/226 41/25 41/758	Robert Calvin Mozingo, Jr., single SWN Production Company, LLC 189
41/776 42/1 42/55 41/226 42/25	Elwood McDougan, a widower SWN Production Company, LLC 189
41/776 42/1 42/55 41/226	widowed woman
41/776 42/1 42/55 41/226	Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC 18%
41/776 42/1 42/55	property
41/776 42/1 42/55	n with her separate SWN Production Company, LLC
41/776 42/1	herein with her separate property
41/776 42/1	Leslie C. Hildebrand, a married woman, dealing SWN Production Company, LLC 18%
41/776	separate property
41/776	arried man, dealing herein with SWN Production Company, LLC
	Gerald McClain, a married man, dealing herein with SWN Production Company, LLC 18%

MAY 2 0 2020

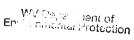


EXHIBIT A

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

Brian Teslovich BRK 405H

Brooke County, West Virginia

Allice Yvonne Janeshek Mieczłowski, a married woman, dealing in hire separate property Jass-32 Allice Nomen, dealing in hire separate property Robert I. Mozingo and Bekty Lou Mozingo husband Chesapeake Appalachia, L.L.C. And write Mozingo and Bekty Lou Mozingo husband Chesapeake Appalachia, L.L.C. And write Mozingo and Bekty Lou Mozingo husband Chesapeake Appalachia, L.L.C. And write Mozingo and Bekty Lou Mozingo husband Chesapeake Appalachia, L.L.C. And separate property SWM Production Company, LLC Fresh Oil Ministries Sule and separate property Ministries Fresh Oil Mini																																									23				
SWN Production Company, LLC. SWN Production Company, LLC. Chesapeake Appalachia, LL.C. SWN Production Company, LLC. SWN Pr																																									3-B36-32				
SWN Production Company, LLC Chesapeake Appalachia, L.L.C. SWN Production Company, LLC	Larry Keating, married, dealing herein with his	Kevin Noah, single	with her separate property	Jill Hoover, f/k/a Jill Keating, married, dealing herein	her separate property	Jacqueline B. Johnson, married, deailng herein with	separate property	Robert E. Noah, married, dealing herein with his	dealing herein with her separate property	Doris McCormick, t/k/a Doris Keating, married,		separate property	Jack Reading, Individual deaning lielen with ins	lack Keating married dealing herein with his	Kathy Ziklo f/k/a Kathleen Izzo, widow	separate property	Albert O. Izzo, married, dealing herein with his	separate property	Anthony A. Izzo, married, dealing herein with his	Joseph Izzo, single	with her separate property	Harriet Mozingo Cummings, married, deaing herein	Thomas Allan Robinson, single	with his separate property	James Michael Robinson, married, dealing herein	her separate property	Sussan Kelly Vollbrecht, married, dealing herein with	his separate property	John Steven Robinson, married, dealing herein with	Alice Mozingo Clifton, widow	Virginia L. Ewing, a single woman	Fresh Oil Ministries		sole and separate property	Thomas Otis Brown, a married man dealing in his		and separate property	Clarence Mozingo, a married man dealing in his sole		and wife	Robert L. Mozingo and Betty Lou Mozingo, husband	Joseph Janeshek, a married man	woman, dealing in her separate property	Alice Yvonne Janeshek Mieczkowski, a married	
MAY 2020; WV Department Environmental Provents 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	SWN Production Company, LLC	SWN Production Company, LLC	ı			SWN Production Company, LLC	!	SWN Production Company, LLC	1		SWN Production Company, LLC		שייים ליים ליים ליים ליים ליים ליים ליים	SWN Production Company 110	SWN Production Company, LLC		SWN Production Company, LLC	ı	SWN Production Company, LLC	SWN Production Company, LLC	ı	SWN Production Company, LLC	SWN Production Company, LLC	ı	SWN Production Company, LLC		SWN Production Company, LLC	I	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC			SWN Production Company, LLC
WV Department Finding WV Department Project Proj																																													
40/26 40/32 29/455 31/228 29/607 31/228 30/318 31/228 39/491 39/522 39/522 39/550 39/550 39/558 39/785 40/13 40/90 40/104 40/111 40/183 40/190 41/702 41/744 41/744	18%	18%		18%		18%		18%			18%	100	10,0	18%	18%		18%		18%	18%		18%	18%		18%		18%		18%	18%	18%	16%			18%			18%	En			· '			
		42/37	41/751		41/744		41/702		40/190			40/103	40/102		40/111	40/104		40/97		40/90	40/13	•	39/785	39/558		39/550		39/529		39/522	39/491	39/69	31/228	30/318		31/228	29/607		31/228	29/455		40/32	40/26		

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Brian Teslovich BRK 405H

Brian Teslovich BRK 405H

Brooke County, West Virginia

Brooke County, West Virginia

Brooke County, West Virginia

GOO 5000

GOO 5000 Bruce Dunn, a married man, dealing herein with his with his separate property Harold Rex Strawn, a married man, dealing herein separate property Diana Smyth, a married woman, dealing herein with John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC Carolyn J. Johnson, married, dealing herein with her separate property Bruce Anderson, married, dealing herein with his Gail Noah, single separate property Richard Keating, married, dealing herein with his dealing herein with her separate property single woman, represented herein by her attorney in Sara Stafford, a widow Craig Dunn, a married man, deaing herein with his Angela Anderson, divorced separate property Karen Kim, a married woman, dealing herein with herein with her separate property Ruth Elaine Rogerson, a married woman, dealing Shirley Ann Dunn Wheeler, a widow Joan Giannini, by her attorney in fact Lisa Giannin Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC Donald Dalton, a married man, dealing herein with Evelyn Pasco, a widow with her separate property Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC separate property Ashley Anderson, single fact, Dennis J. Wheeler separate property her separate property his separate property her separate property separate property Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, 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 18% 47/410 43/166 41/238 45/742 42/640 42/497 42/290 42/329 39/779 39/515 46/290 42/634 41/732 41/232 39/407 45/736 42/483 39/584 38/47 40/48 40/66 40/60

EXHIBIT A

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

Brian Teslovich BRK 405H

Brooke County, West Virginia Gas 1

Kimperly K. Jackson, a married woman, dealing	SWN Production Company, LL	•	10%	
	EIV	0		40/159
	SWN Production Company, LL	2	18%	41/184
l woman, dealing herein wit	SWN Production Company, LLE &	Υ		
her separate property	Offic	MA W I		41/190
ried woman, dealing herein	SWN Production Company, LLC	Í	18%	
	ı			41/208
Donald Martin, a married man, dealing herein with	SWN Production Company, LLC		18%	
his separate property	ı			41/244
Megan McClain, single	SWN Production Company, LLC		18%	41/672
Gerald McClain, a married man, dealing herein with	SWN Production Company, LLC		18%	
his separate property	ı			41/776
John Mossgrove, a married man, dealing herein with	SWN Production Company, LLC		18%	
separate property	ı			42/1
Leslie C. Hildebrand, a married woman, dealing	SWN Production Company, LLC		18%	
herein with her separate property				42/55
Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC	SWN Production Company, LLC		18%	
property				41/226
Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC	SWN Production Company, LLC		18%	
widowed woman				42/25
Elwood McDougan, a widower	SWN Production Company, LLC		18%	41/758
Robert Calvin Mozingo, Jr., single	SWN Production Company, LLC		18%	46/489
Sharen Clark, single	SWN Production Company, LLC		18%	47/36
Karen Perry, married, dealing herein with her	SWN Production Company, LLC		18%	
separate property	I			47/42
Ronald T. Clark, a married man dealing in his	SWN Production Company, LLC		18%	
separate property				47/131
John R. Clark, a single man	SWN Production Company, LLC		18%	47/233
Dorothy Dean, widow	SWN Production Company, LLC		14%	39/413
Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a	SWN Production Company, LLC		14%	
married woman, dealing herein with her separate				
property	ı			39/419
Christine Ballato. f/k/a Christine Little. divorced.	SWN Production Company, LLC		14%	
dealing herein with her separate property				39/425
James R. Piccirillo, a married man, dealing herein	SWN Production Company, LLC		14%	
with his separate property	I			39/431
Deborah McGrath, f/k/a Deborah Little, married.	SWN Production Company, LLC		14%	
dealing herein with her separate property				39/762
	SWN Production Company, LLC		14%	40/129
susan Clark, single			14%	40/135
Lynn Oroian, single	SWN Production Company, LLC		,	40/141
Lynn Oroian, single Lynn Miller, widow	SWN Production Company, LLC SWN Production Company, LLC		14%	

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EXHIBITATION OF BOTTOM Brooke County, West Virginia

EXHIBITATION OF THE State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRK 405H

Brooke County, West Virginia

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																														3-B36-28															
dealing herein with her separate property		separate property	Jack Keating, married, dealing herein with his	Kathy Ziklo f/k/a Kathleen Izzo, widow	separate property	Albert O. Izzo, married, dealing herein with his	separate property	Anthony A. Izzo, married, dealing herein with his	Joseph Izzo, single	with her separate property	Harriet Mozingo Cummings, married, deaing herein	Thomas Allan Robinson, single	with his separate property	James Michael Robinson, married, dealing herein	her separate property	Sussan Kelly Vollbrecht, married, dealing herein with	his separate property	John Steven Robinson, married, dealing herein with	Alice Mozingo Clifton, widow	Virginia L. Ewing, a single woman	Fresh Oil Ministries		sole and separate property	Thomas Otis Brown, a married man dealing in his		and separate property	Clarence Mozingo, a married man dealing in his sole		and wife	Robert L. Mozingo and Betty Lou Mozingo, husband	Joseph Janeshek, a married man	woman, dealing in her separate property	Alice Yvonne Janeshek Mieczkowski, a married		Mary Catherine Janeshek Croce, single	his separate property	Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC	property	Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC	her separate property	Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC	separate property	Susan Shamp, married, dealing herein with her	מוסטתר כי	Brooke
	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		h SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC	1		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		te SWN Production Company, LLC		N SWN Production Company, LLC		SWN Production Company, LLC	biooke county, west viigilia	coke County West Virginia
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39/1/9			property	ner separate property
20/770	10,0		har consists arounds, dealing lieren with SWN Floadction Company, EEC	har consta
JJ/J0+	100			Varan Vim a
30/584	-		0	herein with h
	18%		Ruth Elaine Rogerson, a married woman, dealing SWN Production Company, LLC	Ruth Elaine R
39/515	18%		Shirley Ann Dunn Wheeler, a widow SWN Production Company, LLC	Shirley Ann D
46/290			with his separate property	with his sepa
	18%		Harold Rex Strawn, a married man, dealing herein SWN Production Company, LLC	Harold Rex S
42/634			Joan Giannini, by her attorney in fact Lisa Giannini	Joan Giannin
	18%		SWN Production Company, LLC	
41/732			perty	separate property
	18%		Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	Thomas Clarl
41/238			property	his separate property
	18%		Donald Dalton, a married man, dealing herein with SWN Production Company, LLC	Donald Dalto
41/232			property	her separate property
	18%		d woman, dealing herein with	Diana Smyth,
39/407	18%		o, a widow SWN Production Company, LLC	Evelyn Pasco, a widow
38/47			with her separate property	with her sepa
	18%		Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	Virginia C. M
45/736			perty	separate property
	18%		John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC	John W. Johr
45/742			perty	separate property
	18%		Carolyn J. Johnson, married, dealing herein with her SWN Production Company, LLC	Carolyn J. Joł
47/410			perty	separate property
	18%		Bruce Anderson, married, dealing herein with his SWN Production Company, LLC	Bruce Anders
43/166	18%		ingle SWN Production Company, LLC	Gail Noah, single
42/640			perty	separate property
	18%		Richard Keating, married, dealing herein with his SWN Production Company, LLC	Richard Keati
42/497	18%		erson, single SWN Production Company, LLC	Ashley Anderson, single
42/290			dealing herein with her separate property	dealing herei
	18%		Paula Seckman, f/k/a (Paula Keating, married, SWN Production Company, LLC	Paula Seckma
42/483			property	his separate property
	18%		William Willard Keating, married, dealing herein with SWN Production Company, LLC	William Willa
42/329			dealing herein with her separate property	dealing herei
			Debra Jean Dawson f/k/a Debra Robinson, married,	Debra Jean D
	18%		SWN Production Company, LLC	
42/317				separate property
	18%		Larry Keating, married, dealing herein with his SWN Production Company, LLC	Larry Keating
42/37	18%		single SWN Production Company, LLC	Kevin Noah, single
41/751			with her separate property	with her sepa
	18%	\ w	Jill Hoover, f/k/a Jill Keating, married, dealing herein SWN Production Company, LLCO	Jill Hoover, f/
41/744		IA'	ffic	her separate property
	18%	y ep en	son, married, deailng herein with SWN Production Company, LLE o	Jacqueline B.
41/702		2 (CE f O	separate property
	18%) 2	Robert E. Noah, married, dealing herein with his SWN Production Company, LLE	Robert E. No:
		202	ED.	

39/425		1	dealing herein with her separate property
	14%	SWN Production Company, LLC	Christine Ballato, f/k/a Christine Little, divorced
39/419	4 40/		property
•			married woman, dealing herein with her separate
	14%	SWN Production Company, LLC	Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a
39/413	14%	SWN Production Company, LLC	Dorothy Dean, widow
47/233	18%	SWN Production Company, LLC	John R. Clark, a single man
47/131			separate property
	18%	SWN Production Company, LLC	Ronald T. Clark, a married man dealing in his
47/42			separate property
	18%	SWN Production Company, LLC	Karen Perry, married, dealing herein with her
47/36	18%	SWN Production Company, LLC	Sharen Clark, single
46/489	18%	SWN Production Company, LLC	Robert Calvin Mozingo, Jr., single
41/758	18%	SWN Production Company, LLC	Elwood McDougan, a widower
42/25		1	widowed woman
	18%	a SWN Production Company, LLC	Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC
41/226			property
	18%	e SWN Production Company, LLC	Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC
42/55			herein with her separate property
	18%	SWN Production Company, LLC	Leslie C. Hildebrand, a married woman, dealing
42/1		ļ	separate property
	18%	SWN Production Company, LLC	John Mossgrove, a married man, dealing herein with
41/776			his separate property
	18%	SWN Production Company, LLC	Gerald McClain, a married man, dealing herein with
41/672	18%	SWN Production Company, LLC	Megan McClain, single
41/244			his separate property
	18%	SWN Production Company, LLC	Donald Martin, a married man, dealing herein with
41/208			with her separate property
	18%	SWN Production Company, LLC	Candice Owens, a married woman, dealing herein
41/190		1	her separate property
	18%	SWN Production Company, LLC	Becky Loewe, a married woman, dealing herein with SWN Production Company, LLC
41/184	18%	SWN Production Company, LLC	Barbara Parrish, widow
40/159		l	herein with her separate property
	18%	SWN Production Company, LLC	Kimberly R. Jackson, a married woman, dealing
40/147			fact, Dennis J. Wheeler
			single woman, represented herein by her attorney in
			Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a
	18%	SWN Production Company, LLC	
40/84	18%	SWN Production Company, LLC	Sara Stafford, a widow
40/66	Er	l	separate property
			Craig Dunn, a married man, deaing herein with his
40/60			Angela Anderson, divorced
40/48			separate property
	Par Inta 18%	SWN Production Company, LLCE of 2	Bruce Dunn, a married man, dealing herein with his SWN Production Company, LLC L

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EXHIBIT A

25 3-B36-28 Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-5A1, by SW 1 Brian Teslovich BRK 405H

Brian Teslovich BRK 405H

Brian Teslovich BRK 405H

Brooke County, West Virginia

Wind Dames R. Piccirillo, a married man, dealing herein

SWN Production Company, LG Com with her separate property with his separate property James Michael Robinson, married, dealing herein Sussan Kelly Vollbrecht, married, dealing herein with SWN Production Company, LLC Alice Mozingo Clifton, widow and separate property Clarence Mozingo, a married man dealing in his sole woman, dealing in her separate property Alice Yvonne Janeshek Mieczkowski, a married Susan Shamp, married, dealing herein with her Susan Clark, single dealing herein with her separate property Joseph Izzo, single Harriet Mozingo Cummings, married, deaing herein Thomas Allan Robinson, single her separate property his separate property John Steven Robinson, married, dealing herein with Virginia L. Ewing, a single woman Fresh Oil Ministries sole and separate property Thomas Otis Brown, a married man dealing in his Robert L. Mozingo and Betty Lou Mozingo, husband Joseph Janeshek, a married man Mary Catherine Janeshek Croce, single his separate property Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC her separate property Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC separate property separate property Donald James Smith, married, dealing herein with his SWN Production Company, LLC Linda Miller, widow Lynn Oroian, single Deborah McGrath, f/k/a Deborah Little, married 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 Chesapeake Appalachia, L.L.C. Chesapeake Appalachia, L.L.C. SWN Production Company, LLC Chesapeake Appalachia, L.L.C. MAY 2 0 2020 MAY 2 14% 14% 14% 14% 18% 16% 18% 18% 18% 14% 14% 14% 14% 18% 18% 18% 18% 18% 18% 18% 14% 14% 14% 40/135 40/129 31/228 31/228 31/228 40/171 40/165 40/141 39/762 39/431 39/491 30/318 29/607 29/455 39/297 39/785 39/550 39/529 39/522 40/26 40/32 42/477 40/90 40/13 39/558 39/69 42/61 8

with his separate property		separate property	Thomas Clark, a married man, dealing herein with his SWN Production Company, LLC	Donald Dalton, a married man, dealing herein with SWN Production Company, LLC	her separate property	Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC	Evelyn Pasco, a widow SWN Production Company, LLC	with her separate property	Virginia C. Michael, a married woman, dealing herein SWN Production Company, LLC	John W. Johnson, Jr., married, dealing herein with his SWN Production Company, LLC senarate property	separate property	Carolyn J. Johnson, married, dealing herein with her SWN Production Company, LLC		married, dealing herein with his	Gail Noah, single SWN Production Company, LLC		d, dealing herein with his	Ashley Anderson, single SWN Production Company, LLC		Paula Seckman, f/k/a (Paula Keating, married, SWN Production Company, LLC	his separate property	William Willard Keating, married, dealing herein with SWN Production Company, LLC	dealing herein with her separate property	Debra Jean Dawson f/k/a Debra Robinson, married,	SWN Production Company, LLC		ried, dealing herein with his	Kevin Noah, single SWN Production Company, LLC		Jill Hoover, $f/k/a$ Jill Keating, married, dealing herein SWN Production Company, LLC		Jacqueline B. Johnson, married, deailng herein with SWN Production Company, LLC	separate property	Robert E. Noah, married, dealing herein with his SWN Production Company, LLC	dealing herein with her separate property SWN Production Company, LLC	separate property SWN Production Company, LLC	Kathy Ziklo f/k/a Kathleen Izzo, widow SWN Production Company, L	separate property SWN Production Company, I	separate property	Anthony A. Izzo, married, dealing herein with his SWN Production Company, LIGO	brooke County, west virginia	Dunalia Cometa Mart Vitaliaia
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46/290	42/634	41/732	+1/230	11/220	41/232		39/407	38/47	<i>i.</i> , , , ,	45/736	45/742		47/410		43/166	42/640		42/497	42/290		42/483		42/329			42/317		42/37	41/751		41/744		41/702		40/190	40/183	40/111	40/104	40/97			

EXHIBIT A

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

Brian Teslovich BRK 405H

Brian Teslov Karen Perry, married, dealing herein with her Sharen Clark, single Cindy L. Rasmussen, dealing herein with her separate SWN Production Company, LLC his separate property Gerald McClain, a married man, dealing herein with Sara Stafford, a widow Craig Dunn, a married man, deaing herein with his Bruce Dunn, a married man, dealing herein with his John R. Clark, a single man Robert Calvin Mozingo, Jr., single Elwood McDougan, a widower Leslie C. Hildebrand, a married woman, dealing separate property Megan McClain, single his separate property Donald Martin, a married man, dealing herein with with her separate property Candice Owens, a married woman, dealing herein Becky Loewe, a married woman, dealing herein with SWN Production Company, LLC herein with her separate property single woman, represented herein by her attorney in Angela Anderson, divorced Dorothy Dean, widow separate property Ronald T. Clark, a married man dealing in his Katherine A. Kemper, aka Katherine Benzo Kemper, a SWN Production Company, LLC herein with her separate property John Mossgrove, a married man, dealing herein with SWN Production Company, LLC her separate property Barbara Parrish, widow Kimberly R. Jackson, a married woman, dealing fact, Dennis J. Wheeler Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, 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 18% 18% 18% 18% 18% 18% 18% 18% 18% 18% 18% 18% 18% 18% 18% 18% 18% 14% 18% 18% 18% 18% 41/208 41/184 39/584 41/244 40/159 39/779 39/515 47/131 46/489 41/758 41/226 41/672 41/190 40/147 40/60 47/233 41/776 40/48 39/413 47/42 47/36 42/25 42/55 40/66 42/1

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***************************************	Harold Starkey and Bonnie J. Starkey, husbandand	Timothy L. Noel, Sr. and Janet L. Noel, his wife	Paula Faye Hancher, a single woman and limothy A. Nale, a single man	and wife	Lonnie V. Blake and Carrie Roberta Blake, husband	Lonnie V. Blake and Carrie Roberta Blake, husband and wife	wife	Carlos I O'Brian and Billia D O'Brian husband and	Lonnie V. Blake and Carrie Roberta Blake, husband and wife	The Smithfield Presbyterian Church	The Smithfield Evangelical Friends Church	Joseph Janeshek, a married man	woman, dealing in her separate property	Alice Yvonne Janeshek Mieczkowski, a married		Mary Catherine Janeshek Croce, single	his separate property	Chauncey T. Hall, a married man, dealing herein wih SWN Production Company, LLC	property	Kevin Sarlo, married, dealing herein with his separate SWN Production Company, LLC	her separate property	Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC	separate property	Susan Shamp, married, dealing herein with her	separate property	Donald James Smith, married, dealing herein with his SWN Production Company, LLC	Linda Miller, widow	Lynn Oroian, single	Susan Clark, single	dealing herein with her separate property	Deborah McGrath, f/k/a Deborah Little, married,		with his separate property	James R. Piccirillo, a married man, dealing herein	dealing herein with her separate property	Christine Ballato, f/k/a Christine Little, divorced,		property		Ì
Chesapeake Appalachia, L.L.C.	Panco Pocourcos - Appalachia IIIC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	Switch Froduction Company, Ecc	SW/N Production Company 110	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	l	-	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		e SWN Production Company, LLC		SWN Production Company, LLC	l	SWN Production Company, LLC		s SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	1		SWN Production Company, LLC		SWN Production Company, LLC	ı		SWN Production Company, LLCO	Fice	SWN Production Company, LIGO	EIV Dil a
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EXHIBIT A

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

Brian Teslovich BRK 405H

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ROW Only		HFS Limited Liability Company		wife and husband	Linda Reeves Greathouse and Russell Greathouse,	Ray Walnoha Jr., single		wife and husband	Linda Reeves Greathouse and Russell Greathouse,		Chad D. Lizon, a single man		Chad D. Lizon, a single man		Ronald C. Parks, a single man	SWN Production Company, LLC		husband and wife	Jerry L. McClelland, Jr. and Angel L. McClelland,		wife	Rodger Summers and Connie Summers, husband and Chesapeake Appalachia, L.L.C.		Thomas Salem and Pauline Salem, husband and wife				Keith R. Francis, single		wife	Randolph I Clark and Tammy B Clark hishand and				ludith K Anderson	G. C. T. C.	Single woman	Case W. Early or single man and house V. Anderson	Green Run Road		William Lough and Reverly Lough husband and wife			4700900313 Brooke County, West Virginia	Brian Te
	SWN Production Company, LLC	Chesapeake Appalachia, LLC	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	Chesapeake Appalachia, L.L.C.		SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	Chesapeake Appalachia, LLC	Range Resources - Appalachia, LLC	SWN Production Company, LLC	Clesapeake Apparacilia, E.E.C.	Charanaka Annalashia 110	SWN Production Company 11C	Chesaneake Annalachia IIIC	Panga Pacaurcas - Appalachia IIIC	Groat laker Energy Partners 1.1 C	SWN Production Company 110	Clesapeake Appalacilla, E.E.C.	Character Line 1 1 C	Contract Consequence Consequence	SWN Production Company 11C		Chesapeake Appalachia, L.L.C.	SWN Production Company, LLC	unty, West Virginia	AAL OUT, BY SAAIN FIGURE
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EXHIBIT A

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

Brian Teslovich BRK 405H

Brooke County, West Virginia

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	Ohio River		3-B31-3		3-827-11	
Division of Natural Resources	State of West Virginia Department of Commerce,		HFS Limited Liability Company	of Highways	"West Virginia Department of Transportation, Division SWN Production Company, LLC	A700900313 Brook
	, SWN Production Company, LLC	SWN Production Company, LLC	Chesapeake Appalachia, LLC		ision SWN Production Company, LLC	Brooke County, West Virginia
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RECEIVED Office of Oil and Gas

MAY 2 0 2020

WV Department of Environmental Protection



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

April 22, 2020

Ms. Laura Adkins WV DEP Office of Oil & Gas 601 57th St., SE Charleston, WV 25304

RE: SWN's proposed New Well: Brian Teslovich BRK 405H in Brooke County, West Virginia, Drilling under 4576 WV-2, McCord Hill Road, Green run Road, and Pettit Heights Rd.

Dear Ms. Adkins:

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 4576 WV-2, McCord Hill Road, Green run Road, and Pettit Heights Rd. 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,

Gary Nuckolls Staff Landman

SWN Production Company, LLC

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WV Department of Environmental Protection

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

		MALLER CERTIFICATION		
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late of Noti	ce Certification: 5 15 10		No. 47- 009 - ator's Well No. Brian	Technich RRK 405H
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otice has	been given: he provisions in West Virginia Code (20 CA the Occurrence and dedition	he manifed earlies of	Office of Oil and Ga
ursuant to th	he provisions in West Virginia Code (22-6A, the Operator has provided i	ne required parties w	MANY O A 2020
clow for the	e tract of land as follows: West Virginia	Eastin		MAY 2 0 2020
tate:	009- Brooke	UTM NAD 83 North		WV Department of
ounty:	Buffalo	Public Road Access:	McCord Hill Road	- ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
	Tiltonsville	Generally used farm na	me: Brian Teslovich	
uadrangle: /atershed:	Grog Run	Octoberry used term me	77130.	
equirements /irginia Cod f this article	e surface owner notice of entry to su of subsection (b), section sixteen of le § 22-6A-11(b), the applicant shall to have been completed by the applican West Virginia Code § 22-6A, the Operator has properly served the require	f this article were waived in writing ender proof of and certify to the secut. Derator has attached proof to this No	ig by the surface overetary that the notice	mer, and rursuam to wes
*PLEASE CH	ECK ALL THAT APPLY			ONLY
☐ 1. NO	TICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED E SEISMIC ACTIVITY WAS COM	BECAUSE NO NDUCTED	RECEIVED/ NOT REQUIRED
■ 2. NO	TICE OF ENTRY FOR PLAT SURV	YEY or NO PLAT SURVEY W	AS CONDUCTED	RECEIVED
■ 3. NO	TICE OF INTENT TO DRILL or	NOTICE NOT REQUIRED BY NOTICE OF ENTRY FOR PLAT WAS CONDUCTED OF		RECEIVED/ NOT REQUIRED
		WRITTEN WAIVER BY SI (PLEASE ATTACH)	URFACE OWNER	
■ 4. NO	TICE OF PLANNED OPERATION			RECEIVED
■ 5. PU	BLIC NOTICE			RECEIVED
■ 6 NC	YTICE OF APPLICATION			RECEIVED

Required Attachments:

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

Certification of Notice is hereby given:

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

Office of Oil and Gas

2 0 2020

Well Operator: By:

SWN Production Co., LLC

Brittany Woody

Senior Regulatory Analyst

Its: 304-884-1610 Telephone:

Morgantown, WV 26508 Facsimile: 304-884-1690

Email:

Brittany Woody@swn.com

1300 Fort Pierpont Dr., Suite 201

WV Depar Environmental Protection

Notary Public



NOTARY PUBLIC OFFICIAL SEAL JESSICA E. VANGILDER State of West Virginia My Comm. Expires Jul 20, 2020 **SWN Production Company, LLC** 179 Innovation Dr. Jane Lew, WV 26378

My Commission Expires

Oil and Gas Privacy Notice:

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

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

Notice Time Require	ement: notice shall be prov	ided no later tha	in the filing date of permit application.	
Date of Notice: 5	Date Permit Applica	tion Filed: 5	8/30	
PERMIT FOR A	ANY CERTIF	ICATE OF APP	PROVAL FOR THE	Office of Oil and Gas
WELL WORK	CONST	RUCTION OF A	AN IMPOUNDMENT OR PIT	MAY 2 0 2020
Delivery method pur	rsuant to West Virginia C	ode § 22-6A-10)(b)	WV Department of Environmental Protection
PERSONAL SERVICE	REGISTERED MAIL		OD OF DELIVERY THAT REQUIRES A IPT OR SIGNATURE CONFIRMATION	rotection
sediment control plan of the surface of the tract oil and gas leasehold be described in the erosio operator or lessee, in the more coal seams; (4) Twell work, if the surface impoundment or pit as have a water well, spri provide water for consproposed well work ac subsection (b) of this streeords of the sheriff in provision of this article Code R. § 35-8-5,7,a	required by section seven of on which the well is or is pro- being developed by the propo- on and sediment control plan the event the tract of land on the owners of record of the section rine of the proposition of the pro- described in section nine of the proposition of the pro- described in section nine of the proposition of the pro- tamption by humans or dome divitive is to take place. (c)(1) section hold interests in the later equired to be maintained pure to the contrary, notice to a prequire, in part, that the ope	this article, and toposed to be locally sed well work, if submitted pursua which the well purface tract or trablacement, constitution article; (5) A cated within one stic animals; and If more than three unds, the applicant suant to section of the holder is not rator shall also p	or signature confirmation, copies of the application the well plat to each of the following persons: (1) ated; (2) The owners of record of the surface tract if the surface tract is to be used for roads or other ant to subsection (c), section seven of this article roposed to be drilled is located [sic] is known to acts overlying the oil and gas leasehold being defunction, enlargement, alteration, repair, removal Any surface owner or water purveyor who is known thousand five hundred feet of the center of the value of the center of the value of the control of the control of the center of the value of the control of the center of the value of the control of the center o	The owners of record of ct or tracts overlying the land disturbance as c; (3) The coal owner, be underlain by one or eveloped by the proposed or abandonment of any own to the applicant to well pad which is used to d within which the rests described in erson described in the (2) Notwithstanding any the landowner. W. Va.
☑ Application Notice	ce WSSP Notice E	&S Plan Notice	☑Well Plat Notice is hereby provided to);
☑ SURFACE OWNE	$\mathbb{R}(s)$		☑ COAL OWNER OR LESSEE	
Name: Brian L. Teslovich		-	Name: Windsor Coal Company	
Address: 211 Sunset Dri	ve	-	Address: 1000 Consol Energy Drive	
Belle Vernon, PA 15012		_	Canonsburg, PA 15317	
Name:		-	COAL OPERATOR	
Address:		_	Name:	
= dime i de ounie	TD(-) (D11/ Oil D	atual an ask	Address:	
	R(s) (Road and/or Other D		SURFACE OWNER OF WATER WELL	
Name:		-	AND/OR WATER PURVEYOR(s)	
			11	
Address:		_	Address:	
riduiçõõ.			OPERATOR OF ANY NATURAL GAS	STORAGE FIELD
D SURFACE OWNE	ER(s) (Impoundments or Pit	(2)	Name:	
	actor (impoundments of the		Address:	
Address:				
		_	*Please attach additional forms if necessary	

Attachment 13 A

4700900313

					AL A	
03 B36014500000000	TESLOVICH BRIAN L	211 SUNSET DR	BELLE VERNON	PA	15012	1
03 B36014200000000	ADAMS MARK A & MELODY J	4762 APPLEPIE RIDGE RD	WELLSBURG	w۷	26070	3
03B36L004200000000	COULTER STANLEY E & JOYCE	5108 APPLE PIE RIDGE RD	WELLSBURG	wv	26070	1

RECEIVED Office of Oil and Gas

MAY 20 2020

WV Department of Environmental Protection



Notice is hereby given:

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

This Notice Shall Include:

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

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

MAY 2 0 2020

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.

WV Department of Environmental Protection

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

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

Well Location Restrictions

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

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.

Office of Oil and Gas

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

MAY 2 0 2020

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this weed and any of action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the certified of the certif 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.

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:

Office of Oil and Gas

- (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.

MAY 2 0 2020

WV Department of Environmental Protection

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. 47-009 4 7 0 0 9 0 0 3 1 3

OPERATOR WELL NO. Brian Teslovich BRK 205H
Well Pad Name: Brian Teslovich BRK

Notice is hereby given by:

Well Operator: SWN Production Co., LLC

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

... LO, LLC Woody Woody

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

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@ww.gov.

NOTARY PUBLIC OFFICIAL SEAL
JESSICA L. VANGILDER
State of West Virginia
My Comm. Expires Jul 20, 2020
SWN Production Company, LLC
179 Innovation Dr. Jane Lew, WV 26378

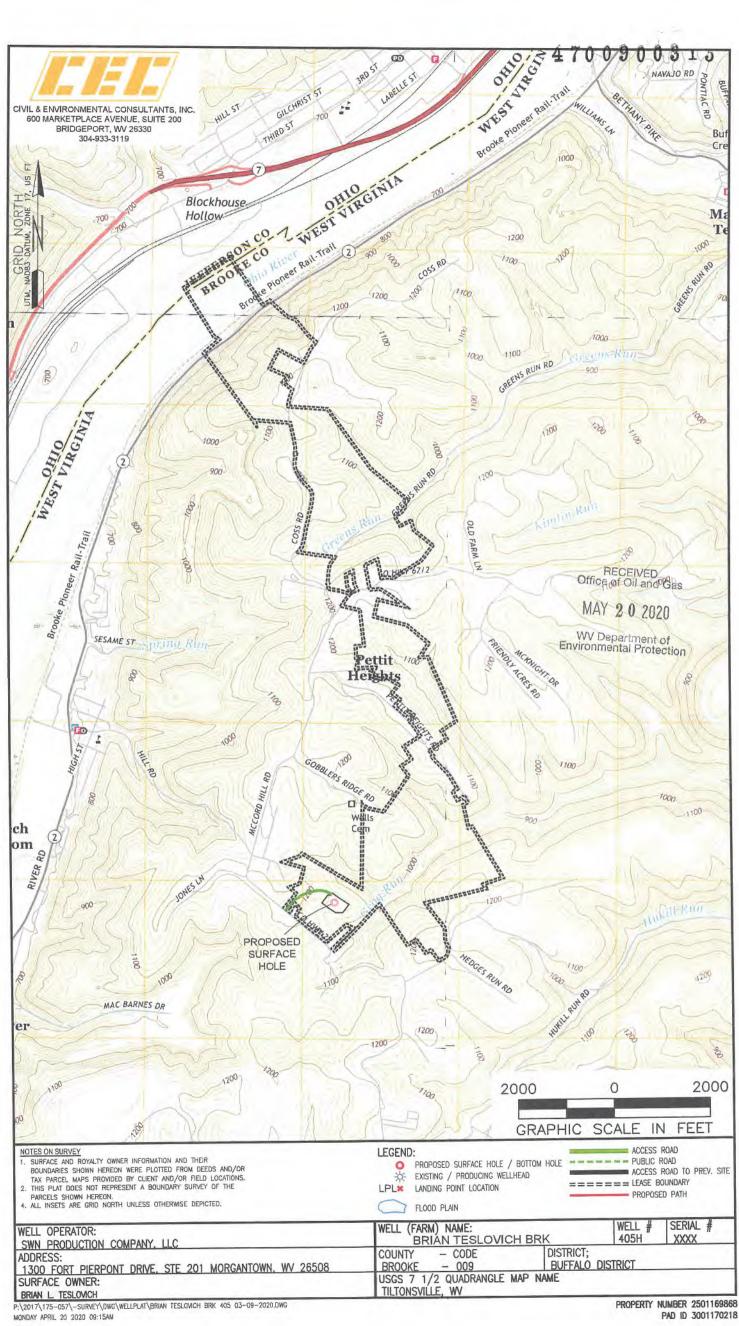
Subscribed and sworn before me this 17th day of April 2020.

Subscribed and sworn before me this 17th day of April 2020.

Notary Public My Commission Expires 1-20-20

Office of Oil and Gas
MAY 20 2020

WV Department of Environmental Protection



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

entry Date	of Notice:	2/27/2020	Date of Pla	nned E	ntry: 3/4/2020			5) days prior to
Deliv	ery metho	d pursuant i	to West Virginia C	ode § 2	2-6A-10a			
	PERSONA	L D	REGISTERED		METHOD OF DELI	VERY THAT RE	QUIRES A	
1	SERVICE		MAIL		RECEIPT OR SIGN.	ATURE CONFIR	MATION	
on to but no benea owne and S Secre	the surface o more than ath such trace of mineral dediment Contary, which	tract to cond forty-five d of that has fill is underlying ontrol Manual statement sl	tuct any plat surveys ays prior to such en- ed a declaration pur such tract in the co al and the statutes an	s requir try to: (suant to ounty tan informa	filing a permit applicated pursuant to this art 1) The surface owner of section thirty-six, art is records. The notice related to oil and gastion, including the adtary.	icle. Such notice s of such tract; (2) t icle six, chapter to shall include a sta exploration and p	shall be provided at a common to any owner or less wenty-two of this contement that copies of the co	least seven days ee of coal seams de; and (3) any of the state Erosion orained from the
Notic	e is hereby	y provided to	D:					RECEIVED Office of Oil and G
B 9	SURFACE	OWNER(s)				OWNER OR LE		Office of Oil and G
Name	e: Brian L. Tes	lovich		_	Name: 60	eatherwood, Inc. Alln: C	asey Saunders	MAY 2 0 2020
Addr	ess: 411 Sun	set Drive		-		000 Consol Energy Drive		
	emon, PA 1501			_	Canonsburg	11531/		 WV Department of Environmental Protect
					MINE	RAL OWNER(s)		Liviloimentari
Addr				-	Name: Brian			
Name				_		11 Sunset Drive		
	ess:				Belle Vernon, P	A 15012		
_					*please attach	additional forms if ne	edessary	
Pursi	t survey on	t Virginia Co	ode § 22-6A-10(a), and as follows:	notice is	s hereby given that the Approx. Latite Public Road A	de & Longitude:	operator is plannin 40.216574, -80.633281 Apple Pie Ridge	g entry to conduct
State	ity: B				Watershed:		Lower Buffalo Creek	
State Cour Distr	ict: B	uffalo			Watershed: Generally used	I farm name:	Lower Buffalo Creek Brian Teslovich	
State Coun Distr Quad Copi may Char	nty: B ict: B frangle: Ti es of the sta be obtained leston, WV	uffelo iltonsville ate Erosion a I from the Se 25304 (304	cretary, at the WV I -926-0450). Copie:	Departn s of suc		rules related to o Protection headq onal information i	Brian Teslovich il and gas exploration uarters, located at 6	015/ Street, SE,
State Coun Distr Quad Copi may Char obtai	nty: Brict: Brict: Brangle: The state of the state obtained leston. WV ned from the state of the	uffelo intensville ate Erosion a I from the Se 25304 (304 ne Secretary	cretary, at the WV I 4-926-0450). Copies by visiting www.de	Departn s of suc	Generally used all and the statutes and nent of Environmental h documents or additi	rules related to o Protection headq onal information i	Brian Teslovich il and gas exploration uarters, located at 6	015/ Street, SE,
State Coun Distr Quad Copi may Char obtai	oty: Bict: Birangle: Birangle:	uffelo intonsville ate Erosion a I from the Se 25304 (304 ne Secretary	cretary, at the WV I -926-0450). Copies by visiting www.de v:	Departn s of suc	Generally used all and the statutes and nent of Environmental h documents or additi	rules related to o Protection headq onal information i	Brian Teslovich il and gas exploratio quarters, located at 6- related to horizontal	015/ Street, SE,
State Coun Distr Quad Copi may Char obtai Noti	nty: Brict: Brict: Brangle: The state of the state obtained leston. WV ned from the state of the	uffelo intonsville ate Erosion a I from the Se 25304 (304 ne Secretary	cretary, at the WV I 4-926-0450). Copies by visiting www.de	Departn s of suc	Generally used al and the statutes and nent of Environmental h documents or additi to oil-and-gas pages/d	rules related to o Protection headq onal information refault.aspx.	Brian Teslovich il and gas exploratio quarters, located at 6- related to horizontal Suite 201	015/ Street, SE,

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/awv.gov.

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

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

Notice Time l Date of Notic	Requirement: Notice shall be provided at e: 03/17/2020 Date Peri	least TEN (10) days prior to filing a mit Application Filed:	permit application.	
Delivery met	nod pursuant to West Virginia Code § 2	2-6A-16(b)		
☐ HAND	■ CERTIFIED MAIL			
DELIVE		UESTED		
receipt reques drilling a hori of this subsect subsection ma and if availabl	zontal well: <i>Provided</i> , That notice given jon as of the date the notice was provided y be waived in writing by the surface owne, facsimile number and electronic mail ad	er notice of its intent to enter upon the pursuant to subsection (a), section to the surface owner: <i>Provided, hower</i> . The notice, if required, shall includess of the operator and the operator	ne surface owner's land for the purpose of n of this article satisfies the requirements ever, That the notice requirements of this add the name, address, telephone number,	
	eby provided to the SURFACE OW		1447 2 0 2020	
Name: Windsor		Name:	MAY 2 0 2020	
Address: 1000 Canonsburg, PA 1	Consol Energy Drive	Address:	WV Department of	
Canonsburg, PA	5317	+	Environmental Protection	
State: County: District:	West Virginia Brooke Buffalo	UTM NAD 83 Easting: Northing: Public Road Access:	531,202.333 4,451,865.366 McCord Hill Road	
Quadrangle:	Tiltonsville	Generally used farm name:	Brian Teslovich BRK	
Watershed:	Grog Run			
Pursuant to W facsimile num related to hori	Shall Include: Vest Virginia Code § 22-6A-16(b), this is ber and electronic mail address of the obstained from the 57 th Street, SE, Charleston, WV 25304 (3	perator and the operator's authorize Secretary, at the WV Department of	d representative. Additional information f Environmental Protection headquarters,	
Notice is her Well Operator	reby given by: : SWN Production Company, LLC	Authorized Representative:	Reid Croft	
Address:	1300 Fort Pierpont Dr., Suite 201	Address:	1300 Fort Pierpont Dr., Suite 201	
	Morgantown, WV 26508		Morgantown, WV 26508	
Telephone:	304-231-8329	Telephone:	304-231-8329	
Email:	Reid_Croft@swn.com	Email:	Reid_Croft@swn.com	
Facsimile:		Facsimile:		
a reference and		4 W. F. SOWS C. P.		

Oil and Gas Privacy Notice:

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

Operator Well No Brian Testlovich, BRK 405H

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

Notice Time Date of Noti	Requirement: notice shall be provided notice: 03/17/2020 Date Permit A	o later than the filing of pplication Filed:	late of permit	application.	
Delivery me	thod pursuant to West Virginia Code §	22-6A-16(c)	3.4		
CERT	IFIED MAIL	HAND			
	RN RECEIPT REQUESTED	DELIVERY			
return receip the planned required to b drilling of a damages to t (d) The notic of notice.	W. Va. Code § 22-6A-16(c), no later than trequested or hand delivery, give the surface operation. The notice required by this see provided by subsection (b), section ten or horizontal well; and (3) A proposed surface affected by oil and gas operation the surface affected by oil and gas operation the surface affected by this section shall be given to the surface of	ace owner whose land ubsection shall includ of this article to a surface use and compensate to the extent the dark to the surface owner at R(s)	will be used for e: (1) A copy ce owner whose tion agreement mages are com	or the drilling of a hor of this code section; se land will be used in at containing an offer pensable under article	izontal well notice of (2) The information conjunction with the of compensation for six-b of this chapter.
Contract of the contract of the	ss listed in the records of the sheriff at the				
Name: Windso	0 Consol Energy Drive	Name: _ Address:			
Canonsburg, PA		Address.			
	reby given: West Virginia Code § 22-6A-16(c), notice in the surface owner's land for the purpose of West Virginia Brooke Buffalo		well on the tra Easting: Northing:		RECEIVED Office of Oil and Gas
Quadrangle:	Tiltonsville	Generally used	I farm name:	Brian Teslovich BRK	
Watershed:	Grog Run				Wv Department of Environmental Protection
Pursuant to V to be provid horizontal w surface affect information	Shall Include: West Virginia Code § 22-6A-16(c), this not ed by W. Va. Code § 22-6A-10(b) to a sell; and (3) A proposed surface use and cotted by oil and gas operations to the externelated to horizontal drilling may be obtated, located at 601 57th Street, SE, Charlfault.aspx.	surface owner whose ompensation agreemen at the damages are contained from the Secreta	land will be ut t containing an inpensable und ry, at the WV	used in conjunction value offer of compensation of this ler article six-b of this Department of Environment.	with the drilling of a on for damages to the s chapter. Additional ronmental Protection
Well Operato	DIT: SWN Production Company, LLC	Address:	1300 Fort Pierpont [Or Suite 201	
Telephone:	304-231-8329		Morgantown, WV 26	27.	
Email:	Reid_Croft@swn.com	Facsimile:			

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

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

Delivery method pursuant to West Virginia Code § 22-6A-16(b) HAND CERTIFIED MAIL DELIVERY RETURN RECEIPT REQUESTED Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner shall, by certified mail return receipt requested or hand delivery, give the surface owner ontice of its intent to enter upon the surface owner. Provided. That notice given pursuant to subsection as of the date the notice was provided to the surface owner. Provided. however, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Notice is hereby provided to the SURFACE OWNER(s): Name: Address: 11 Sument Dive Balla Vernon, PA 15012 Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent space and the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: Office of Oil and Gas State: West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent space and the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: Office of Oil and Gas State: West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intent space and sp	Notice Time Date of Notic	Requirement: ce: 04/03/2020	Notice shall be provided Date F	d at least TEN (10) days prior to filing a	permit application.
Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided,** That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner. *Provided,* however,** That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. *Notice is hereby provided to the SURFACE OWNER(s):* Name: Banal. Testovich Address: 211 Sunset Drive **Name: Banal. Testovich **Name: Banal. Testovic	Delivery met	hod pursuant	to West Virginia Code	§ 22-6A-16(b)	
Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided,** That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner. *Provided,* however,** That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. *Notice is hereby provided to the SURFACE OWNER(s):* Name: Banal. Testovich Address: 211 Sunset Drive **Name: Banal. Testovich **Name: Banal. Testovic	□ HAND		CERTIFIED MAIL		
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Name: Brian L. Teslowich Address: 211 Sunset Drive Belle Vernon, PA 15012 Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intention of Drive of Oil and Gas State: West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intention of Drive of Oil and Gas State: West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intention of Drive of Oil and Gas State: West Virginia Code § 22-6A-16(b), this notice shall include the name, and intention of Drive of Oil and Gas State: West Virginia Code § 22-6A-16(b), this notice shall include the name, and Drive of Drive of Oil and Gas State: This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, and Drive of Drive of Oil and Gas State: This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, and Drive of	Pursuant to V receipt reques drilling a hor of this subsection mand if availab	V. Va. Code § 2 sted or hand delizontal well: Petion as of the day be waived in the facsimile number.	2-6A-16(b), at least ten ivery, give the surface of rovided, That notice give the notice was provided writing by the surface of mber and electronic man	days prior to filing a permit application, owner notice of its intent to enter upon the pursuant to subsection (a), section teded to the surface owner: <i>Provided</i> , howowner. The notice, if required, shall included address of the operator and the operator	the surface owner's land for the purpose of en of this article satisfies the requirements ovever. That the notice requirements of this stude the name, address, telephone number,
Address: 211 Sunset Drive Belle Verron, PA 15012 Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an integrated purpor of the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: West Virginia Code § 22-6A-16(b) and Gas State: West Virginia Code § 22-6A-16(b) and Gas State: West Virginia Surface Owner's land for the purpose of drilling a horizontal well on the tract of land as follows: State: West Virginia Code § 22-6A-16(b) and Gas State: West Virginia Code § 20-6A-16(b) and Gas State: West Virginia Code § 20-6A-16(b) and Gas State: West Virginia Code § 22-6A-16(b) and Gas State: West Virginia Code § 20-6A-16(b) and Gas State: West Virginia Code §			a to the SUKFACE C		
Notice is hereby given: Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an intention and intention of the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: Office of Oil and Gas State: West Virginia County: Brooke District: Buffalo Public Road Access: Generally used farm name: Generally used farm name: Tiltonsville Generally used farm name: This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: Well Operator: SWN Production Company, LLC Authorized Representative: Address: 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 Telephone: 304-231-8329 Telephone: Bright Assignment of Environmental Protection headquarters, located at 601 Croft@swn.com Felicy Torti@swn.com Telephone: 304-231-8329 Felicy Torti@swn.com Figure 1 and as follows: Office of Oil and Gas Satice: Office of					
Pursuant to West Virginia Code § 22-6A-16(b), notice is hereby given that the undersigned well operator has an interpretary perfect upon the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows: Office of Oil and Gas State: West Virginia County: Brooke District: Buffalo Quadrangle: Tilinosville Grog Run This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57 th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: SWN Production Company, LLC Address: 1300 Fort Plerpont Dr., Suite 201 Morgantown, WV 26508 Telephone: 304-231-8329 Telephone: Brian Testovich BRISEnsite WW Department of Environmental Protection headquarters, located at 601 57 th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: SWN Production Company, LLC Address: 1300 Fort Plerpont Dr., Suite 201 Morgantown, WV 26508 Telephone: 304-231-8329 Telephone: 8id Croft@swn.com	THE RESERVE THE PARTY OF THE PA				
Quadrangle: Tittonsville Generally used farm name: Brian Teslovich BRVE_nvironmental Protection This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx. Notice is hereby given by: Well Operator: SWN Production Company, LLC Authorized Representative: Reid Croft Address: 1300 Fort Pierpont Dr., Suite 201 Address: 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 Telephone: 304-231-8329 Telephone: 304-231-8329 Email: Reid_Croft@swn.com Email: Reid_Croft@swn.com	State:	West Virginia	the purpose of drilling a	LITM NAD 83 Easting:	531,202.333
Watershed: Grog Run This Notice Shall Include: Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx . Notice is hereby given by: Well Operator: SWN Production Company, LLC Authorized Representative: Reid Croft Address: 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 Telephone: 304-231-8329 Telephone: 304-231-8329 Telephone: 304-231-8329 Email: Reid_Croft@swn.com Reid_Croft@swn.com					McCord Hill Road
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Well Operator: SWN Production Company, LLC Authorized Representative: Reid Croft Address: 1300 Fort Pierpont Dr., Suite 201 Address: 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 Morgantown, WV 26508 Telephone: 304-231-8329 Telephone: 304-231-8329 Email: Reid_Croft@swn.com Email: Reid_Croft@swn.com	Pursuant to 'facsimile nur related to hor	West Virginia on the standard with the standard drilling the stand	Code § 22-6A-16(b), the conic mail address of the may be obtained from	the Secretary, at the WV Department of	ed representative. Additional information of Environmental Protection headquarters,
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Morgantown, WV 26508 Morgantown, WV 26508 Telephone: 304-231-8329 Telephone: 304-231-8329 Email: Reid_Croft@swn.com Email: Reid_Croft@swn.com					A LA A A A A A A A A A A A A A A A A A
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		Reid_Croft@sv	vn.com		
	Facsimile:				

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WW-6A5 (1/12)

STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFF 4C & 0 FOO 9LOAD BGAS NOTICE OF PLANNED OPERATION

Date of Noti	Requirement: notice shall be p ce: 04/03/2020 Date	Permit Application Filed:	2/18/90	_	
Delivery me	thod pursuant to West Virgini	a Code § 22-6A-16(c)	1.		
■ CERT	FIED MAIL	☐ HAND			
	RN RECEIPT REQUESTED	DELIVERY			
return receipthe planned required to be drilling of a damages to to (d) The notice of notice.	W. Va. Code § 22-6A-16(c), not requested or hand delivery, give operation. The notice required e provided by subsection (b), see horizontal well; and (3) A prophe surface affected by oil and gases required by this section shall reby provided to the SURFAC.	the the surface owner whose land by this subsection shall include the title to a surface use and compens operations to the extent the dispersion to the surface owner to the Surf	d will be used for ide: (1) A copy of face owner whose sation agreement amages are compo	the drilling of a of this code secti land will be use containing an o ensable under art	horizontal well notice of ion; (2) The information d in conjunction with the ffer of compensation for ticle six-b of this chapter.
Name: Brian L Address: 211 Belle Vernon, Pr Notice is he Pursuant to	Sunset Drive A 15012 reby given: West Virginia Code § 22-6A-16(Name: Addres	the undersigned w	vell operator has out of land as follo	develope ் சுறு வர்வ ws: Office of Oil and Gas
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Name: Brian L Address: 211 Belle Vernon, Pr Notice is her Pursuant to voperation or State: County: District: Quadrangle: Watershed: This Notice Pursuant to voto be provide horizontal wasurface affectinformation headquarters	Teslovich Sunset Drive A 15012 Teby given: West Virginia Code § 22-6A-16(In the surface owner's land for the West Virginia Brooke Buffalo Tiltonsville Grog Run Shall Include: West Virginia Code § 22-6A-16(led by W. Va. Code § 25-6A-16(led by W	Name: Addres c), notice is hereby given that to purpose of drilling a horizont UTM NAD Public Road Generally us (c), this notice shall include: (1 0(b) to a surface owner whose use and compensation agreement of the extent the damages are compared by the obtained from the Secretary and the surface of the surface of the extent the damages are compared to the extent the damages are compared to the surface of the surface	the undersigned wall well on the trace Easting: Northing: Access: sed farm name: Acopy of this cee land will be usent containing and compensable understary, at the WV	at of land as follo 531,202.333 4,451,865.366 McCord Hill Road Brian Teslovich BRK code section; (2) sed in conjunction offer of compenser article six-b of Department of E	WS: Office of Oil and Gas MAY 2 0 2020 WV Department of Environmental Protection The information required on with the drilling of a sation for damages to the this chapter. Additional Environmental Protection
Name: Brian L Address: 211 Belle Vernon, P/ Notice is her Pursuant to Voperation or State: County: District: Quadrangle: Watershed: This Notice Pursuant to Voto be provide horizontal wasurface affect information headquarters yas/pages/de	Teslovich Sunset Drive A 15012 Teby given: West Virginia Code § 22-6A-16(In the surface owner's land for the West Virginia Brooke Buffalo Tiltonsville Grog Run Shall Include: West Virginia Code § 22-6A-16(led by W. Va. Code § 22-6A-16(led by W. Va. Code § 22-6A-16(led by W. Va. Code § 25-6A-16(led by W	Name: Addres c), notice is hereby given that to purpose of drilling a horizont UTM NAD Public Road Generally us (c), this notice shall include: (1 0(b) to a surface owner whose use and compensation agreement of the extent the damages are compared by the obtained from the Secretary and the surface of the surface of the extent the damages are compared to the extent the damages are compared to the surface of the surface	the undersigned wall well on the trace Easting: Northing: Access: sed farm name: Acopy of this cee land will be usent containing and compensable understary, at the WV	at of land as follo 531,202.333 4,451,865.366 McCord Hill Road Brian Teslovich BRK and the section; (2) as ed in conjunction offer of compension article six-b of Department of E or by visiting we have a section and the section of the section	WS: Office of Oil and Gas MAY 2 0 2020 WV Department of Environmental Protection The information required on with the drilling of a sation for damages to the this chapter. Additional Environmental Protection
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WEST VIRGINIA DEPARTMENT OF TRANSPORTATION Division of Highways

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

March 16, 2020

Byrd E. White, III Secretary of Transportation/ Commissioner of Highways

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

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

Subject: DOH Permit for the Brian Teslovich Pad, Brooke County
Brian Teslovich BRK 405H Well Site

Office of Oil and Gas
MAY 20 2020

WV Department of Environmental Protection

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2018-0873 which has been issued to Southwestern Energy for access to the State Road for a well site located off Brooke County Route 28 SLS.

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.

Very Truly Yours,

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Brittany Woody

Southwestern Energy

CH, OM, D-6

File

Attachment VI Frac Additives

Product Name	Product Lise	Chemical Name	CAS Numb
AI-303 (U.S. Well Services)	Mixture	Ethylene glycol	107-21 1
		Cinnamaldehyde	104-55 2
		Butyl cellosolve	111-76 2
		Formic acid	64-18 6
		Polyether	Proprietary
		Acetophenone, thiourea, formaldehyde polymer	68527-49 1
AD ONE ILLE MOUSE	Desplies		
AP ONE (U.S. Well Services)	Breaker	Ammonium persulfate	7727-54-0
Bactron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides Ethanol	68424-85-1 64-17-5
Bactron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
CarboNRT	Tracer	Ceramic Proppant	
		201000000000000000000000000000000000000	66402-68-4
C6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
		Ethylene Glycol	107-21-1
C6734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
cono-CI200 (SWN Well Services)	Corrosion Inhibitor	Methanol	67-56-1
Contraction (Switt Well Schwides)	COLLOSION IMMERCO	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
coporteme (Switt Well Services)	non control		77-92-9
		Citric Acid	
		Water	7732-18-5
DP-S1176-15 (Halliburton)	Friction Reducer	Polyacylate	Proprietary
		Hydrotreated light petroleum distillate	64742-47-8
LOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
LOSE I DISSO ET (DITTI TICH DE TICES)	Triction neaded	Ethylene Glycol	107-21-1
		The State of the S	68213-24-1
		Alcohols, C12-16, Exoxylated propoxylated	
		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
Triamourconf		Contracting and the contra	Proprietary
TANKS ON THE STATE OF THE STATE	Cools to biblio		67-56-1
SYPTRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol Office of Oil and Gas	
		Nonylphenol Ethoxylate	Proprietary
HAI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance MAY 2 0 2020	N/A
HCL (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid HYDrochloric Acid	7647-01-0
TCE (STATE ANCH SELAICES)	Tryar container tela	Water	7732-18-5
	Scale Inhibitor	VAV Department of	Proprietary
.P-65 MC (Halliburton)	Scale Inhibitor	Elivironmental Protection	12125-02-9
		Animonatic choice	
OPTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
Plexslick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
		Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
			68551-12-2
		Alcohols, C12-16, Exoxylated	
		Oleic Acid Diethanolamide	93-83-4
		Ammonium Chloride	12125-02-9
Plexslick 953	Friction Reducer	Petroleum Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
		N,N-bis (2-hydroxyethyl) oleamide	93-83-4
	Extra Ext		
			64742-47-8
Plexslick 957	Friction Reducer	Petroleum Distillate	
Plexslick 957	Friction Reducer	Ammonium Chloride	12125-02-9
Plexslick 957	Friction Reducer		93-83-4
Plexslick 957	Friction Reducer	Ammonium Chloride	93-83-4
Plexslick 957	Friction Reducer	Ammonium Chloride Oleic Acid Diethanolamide	93-83-4
	-	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water	93-83-4 68551-12-2 7732-15-5
	-	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water er Hydrotreated light distillate (petroleum)	93-83-4 68551-12-2 7732-15-5 64742-47-8
WFRA-2000 (U.S. Well Services)	Anionic Friction Reduc	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9
WFRA-2000 (U.S. Well Services)	-	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Err Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid)	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8
NFRA-2000 (U.S. Well Services) Plexaid 655 NM	Anionic Friction Reduc	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9
NFRA-2000 (U.S. Well Services) Plexaid 655 NM	Anionic Friction Reduc	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Err Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid)	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8
NFRA-2000 (U.S. Well Services)	Anionic Friction Reduc	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Err Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide Diethylenetriamine penta (methylene phosphonic acid) Copolymer of 2-propenaminde	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8 69418-26-4
NFRA-2000 (U.S. Well Services)	Anionic Friction Reduc	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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)	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8 69418-26-4 64742-47-8 12125-02-5
WFRA-2000 (U.S. Weil Services) Plexaid 655 NM Plexslick 922	Anionic Friction Reduc Scale Inhibitor no data available	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8 69418-26-4 64742-47-8 12125-02-5 93-83-4
WFRA-2000 (U.S. Weil Services) Plexaid 655 NM Plexslick 922	Anionic Friction Reduc	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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 Tetrakis (hydroxymethyl) phosphonium sulphate	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8 69418-26-4 64742-47-8 12125-02-5
WFRA-2000 (U.S. Weil Services) Plexaid 655 NM Plexslick 922	Anionic Friction Reduc Scale Inhibitor no data available	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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 Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-6 69418-26-4 64742-47-8 12125-02-5 93-83-4 55566-30-8
WFRA-2000 (U.S. Weil Services) Plexaid 655 NM Plexslick 922	Anionic Friction Reduce Scale Inhibitor no data available Biocidal product	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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 Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8 69418-26-4 64742-47-8 12125-02-5 93-83-4 55566-30-8
WFRA-2000 (U.S. Well Services) Plexaid 655 NM Plexslick 922 Tolcide PSS0A	Anionic Friction Reduc Scale Inhibitor no data available	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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 Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-6 69418-26-4 64742-47-8 12125-02-5 93-83-4 55566-30-8
WFRA-2000 (U.S. Well Services) Plexaid 655 NM Plexslick 922 Tolcide PSSOA	Anionic Friction Reduce Scale Inhibitor no data available Biocidal product	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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 Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8 69418-26-4 64742-47-8 12125-02-5 93-83-4 55566-30-8
WFRA-2000 (U.S. Well Services) Plexaid 655 NM Plexslick 922 Tolcide PSSOA	Anionic Friction Reduce Scale Inhibitor no data available Biocidal product	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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 Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups Hydrotreated light petroleum distillate Ethoxylated alcohol	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 397256-50 64742-47-8 Proprietan
Plexslick 957 WFRA-2000 (U.S. Well Services) Plexaid 655 NM Plexslick 922 Tolcide PSSOA	Anionic Friction Reduce Scale Inhibitor no data available Biocidal product Friction Reducer	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Err 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 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	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8 69418-26-4 64742-47-8 12125-02-5 93-83-4 55566-30-8 397256-50 64742-47-8 Proprietan
WFRA-2000 (U.S. Well Services) Plexaid 655 NM Plexslick 922 Tolcide PSSOA	Anionic Friction Reduce Scale Inhibitor no data available Biocidal product	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Eer 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 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	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 397256-50 64742-47-8 Proprietan
WFRA-2000 (U.S. Well Services) Plexaid 655 NM Plexslick 922 Tolcide PS50A	Anionic Friction Reduce Scale Inhibitor no data available Biocidal product Friction Reducer	Ammonium Chloride Oleic Acid Diethanolamide Alcohols, C12-16, Exoxylated Water Err 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 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	93-83-4 68551-12-2 7732-15-5 64742-47-8 9003-06 9 15827-30-8 69418-26-4 64742-47-8 12125-02-5 93-83-4 55566-30-8 397256-50 64742-47-8 Proprietan

