

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 205 47-009-00312-00-00

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:
Farm Name:BRIAN TESLOVICH BRF
BRIAN L. TESLOVICHU.S. WELL NUMBER:
Horizontal 6A47-009-00312-00-00Date Issued:6/22/2020

Promoting a healthy environment.

API Number: 4700900312

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. <u>Failure to adhere to the specified permit</u> 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.

PERMIT CONDITIONS

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

WW-6B (04/15) API NO. 47-009 OPERATOR WELL NO. Brian Toslovich BRK 205H

Well Pad Name: Brian Teslovich BRK

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

1) Well Operator: SWN P	roduction Co., LLC	494512924	009- Brooke 3-	Buffalo 641-Tiltonsville
i non operator.		Operator ID	County D	istrict Quadrangle
2) Operator's Well Number:	Brian Teslovich BR	RK 205H Well I	ad Name: Brian Te	slovich BRK
3) Farm Name/Surface Own	ier: Brian L. Teslov	ich Public R	oad Access: McCo	d Hill Road
4) Elevation, current ground	1149' E	levation, propose	ed post-construction:	1151'
5) Well Type (a) Gas	× Oil	UI	nderground Storage	
Other				
(b)If Gas	Shallow X	Deep		
	Horizontal X		C	MUUS
6) Existing Pad: Yes or No			_ L	NY 9.3.20
7) Proposed Target Formati Target Formation- Marcellus, Up-Dig	on(s), Depth(s), Anti well to the North, Target Top	cipated Thicknes TVD- 5751', Target Base	s and Expected Press TVD- 5802', Anticipated Thic	sure(s): kness- 51', Associated Pressure- 3771
8) Proposed Total Vertical I	Depth: 5786'			
9) Formation at Total Vertic		IS		
10) Proposed Total Measure	ed Depth: 19529'			
11) Proposed Horizontal Le	g Length: 11,281.	16'		
12) Approximate Fresh Wat	er Strata Depths:	115'		
13) Method to Determine Fi	resh Water Depths:	Nearby spring		
14) Approximate Saltwater				RECEIVED Office of Oil and Gas
15) Approximate Coal Sean	Depths: 266'			Office of On 31
16) Approximate Depth to I	Possible Void (coal n	nine, karst, other	Possible Void 26	6' MAY 20 Los
17) Does Proposed well loc directly overlying or adjace	ation contain coal se	ams	No X	WV Departal Protection Environmental Protection
(a) If Yes, provide Mine I	nfo: Name:	lindsor M:	ne	
(a) it i so, provide trille i		.le(e'		
	Seam:			
		indsor Ceal	Co Consol	6
	10	the wood		

API NO. 47-009 470.09 00 3 1 2 OPERATOR WELL NO. Brian Teslovich BRK 205H

Well Pad Name: Brian Teslovich BRK

WW-6B (04/15)

18)

CASING AND TUBING PROGRAM

Size (in)	<u>New</u> <u>or</u> <u>Used</u>	Grade	<u>Weight per ft.</u> (lb/ft)	<u>FOOTAGE: For</u> <u>Drilling (ft)</u>	INTERVALS: Left in Well (ft)	<u>CEMENT:</u> <u>Fill-up</u> (Cu. Ft.)/CTS
20"	New	H-40	94#	100'	100'	CTS
13 3/8"	New	H-40	48#	320'	320'	323 sx/CTS
See	Surface	Casing				
9 5/8"	New	J-55	36#	1609'	1609'	632 sx/CTS
5 1/2"	New	HCP-110	20#	19529'	19529'	lezd 778sx/Tail 3208sx/ 100' Inside Intern
	(in) 20" 13 3/8" See 9 5/8"	Size (in) or Used 20" New 13 3/8" New See Surface 9 5/8" New	Size (in)or UsedGrade20"NewH-4013 3/8"NewH-40SeeSurfaceCasing9 5/8"NewJ-55	Size (in)or UsedGradeweight per ft. (lb/ft)20"NewH-4094#13 3/8"NewH-4048#SeeSurfaceCasing9 5/8"NewJ-5536#	Size (in)or UsedGradeWeight per ft. (lb/ft)FOOTAGE. For Drilling (ft)20"NewH-4094#100'13 3/8"NewH-4048#320'SeeSurfaceCasing95/8"1609'	Size (in)Or UsedGradeWeight per ft. (lb/ft)FOOTAGE: For Drilling (ft)Left in Well (ft)20"NewH-4094#100'100'13 3/8"NewH-4048#320'320'SeeSurfaceCasing9 5/8"NewJ-5536#1609'1609'

C- 12 43.20

TYPE	Size (in)	<u>Wellbore</u> <u>Diameter (in)</u>	<u>Wall</u> <u>Thickness</u> <u>(in)</u>	<u>Burst Pressure</u> (psi)	Anticipated Max. Internal Pressure (psi)	<u>Cement</u> <u>Type</u>	<u>Cement</u> <u>Yield</u> (cu. ft./k)
Conductor	20"	30"	0.25	2120	81	Class A	1.19/50% 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					1		

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PACKERS

	TACKERS	union of
Kind:		WV Dependent of Environmental Protection
Sizes:		
Depths Set:		

WW-6B (10/14)

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

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

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

Well will be perforated within the target formation and stimulated with a slurry of water, sand, and chemical additives at a high rate. This will be performed in stages with the plug and perf method along the wellbore until the entire lateral has been stimulated within the target formation. All stage plugs are then drilled out and the well is flowed back to surface. In some instances, additional toe prep may be performed by pumping additional water in the toe of the well prior to perforating and pumping stage 1 to ensure that the toe guns/toe sleeves are fully open prior to pumping stage 1. The well is produced through surface facilities consisting of high pressure production unites, horizontal separation units, water and oil storage tanks. Max press and anticipated max rate- 9000 lbs @ 100 barrels a minute.

1) Total Area to be disturbed	, including roads, stock	cpile area, pits, etc.,	(acres): 11.42
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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.

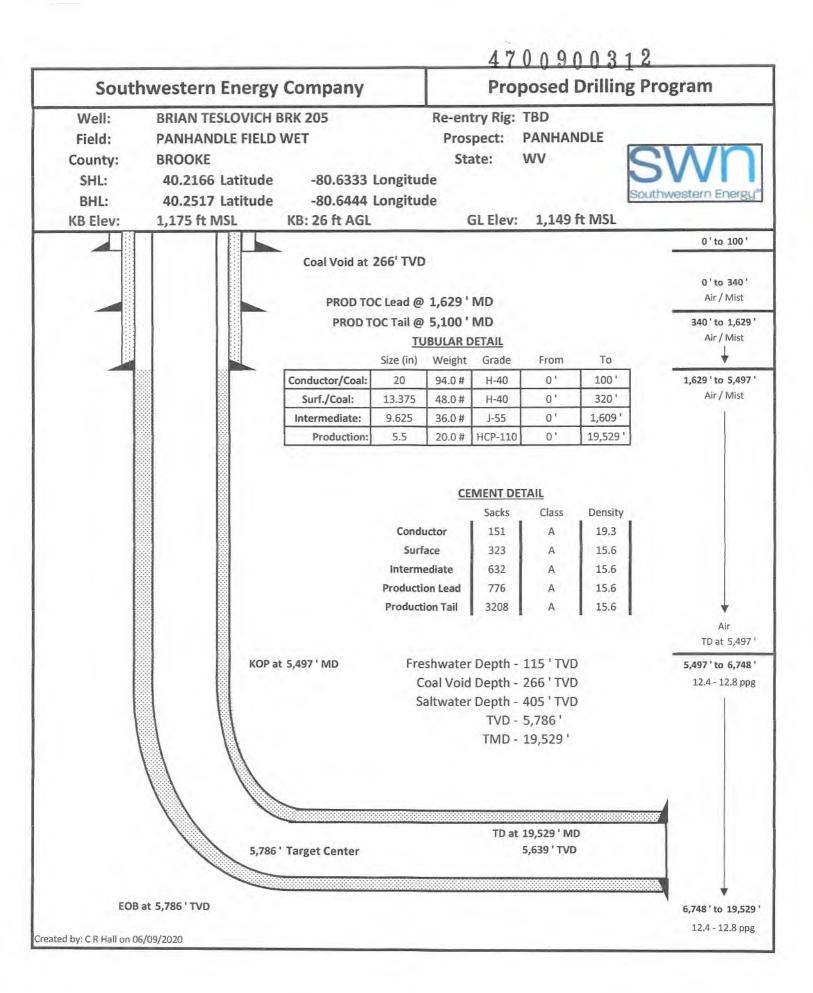
24) Describe all cement additives associated with each cement type:

See Attachment *** Office of Oil and Gas MAY 2 0 2020 WV Department of Environmental Protection

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.

		······································	CEMENT A	ADDITIVES		
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	CHEMICAL NAME	CAS-Number
SURFACE	\ge	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
(FRESHWATER)	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL	> <	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	\succ	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
INTERMEDIATE	>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet	\ge	\succ	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	\succ	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	\ge	SS-11W	C1880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	D047	FP 28L	$\mathbf{ imes}$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	\ge	\ge	CJX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
	\searrow	$\boldsymbol{\succ}$	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATIC AMIDE POLYMER	PROPRIETARY
PRODUCTION	D255	$\boldsymbol{\succ}$	$\mathbf{\succ}$	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
	\searrow	\sim	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	\searrow	FL-66	CJ501	LOW TEMP FLUID LOSS ADD	POWDERED POLYSACCHARIDE	PROPRIETARY
	>	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	\succ	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



Area of Review

12				Area of Review	Review			
9		Teslovich BRK 205H AOR						
) (API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
) (4709300053	Berea Oil and Gas Corporation	N/A	39.028047	-79.442466	N/A	N/A	N/A
) (4709300047	Berea Oil and Gas Corporation	N/A	N/A	N/A	N/A	N/A	N/A
)(4709300045	Columbia Gas Transmission Corporation	Completed	N/A	N/A	N/A	N/A	N/A
70	4700900015	Dr. Michael J. Miller, Jr., dba Joint Venture Company	Plugged	40.218317	-80.628013	1890	Berea	N/A
17	4700900057	Jesse P. West	Completed	40.230351	-80.634257	N/A	N/A	N/A
4	4709300013	Columbia Carbon Company	Plugged	39.171751	-79.634098	6385	Tuscarora	N/A
	4709700260	Cumberland & Allegheny Gas Company	Plugged	39.009223	-80.240798	4463	Benson	N/A
	6709700244	Cameron Producing	Plugged	38.916956	-80.234682	4540	Brallier	N/A
	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

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WW-9 (4/16)

A	PI	Num	ber	47	-	009	

Operator's Well No. Brian Teslovich BRK 205H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC	OP Code 494512924	2
Watershed (HUC 10) Grog Run	Quadrangle Tiltonsville	_
Do you anticipate using more than 5,000 bbls of water to co Will a pit be used? Yes No	omplete the proposed well work? Yes No	
If so, please describe anticipated pit waste:		
Will a synthetic liner be used in the pit? Yes	No 🖌 If so, what ml.?	
Proposed Disposal Method For Treated Pit Wastes:	8	
Land Application Underground Injection (UIC Per	ermit Number Various Approved Facilities)
Reuse (at API Number At the next)
Off Site Disposal (Supply form V Other (Explain recovery and solid		
Will closed loop system be used? If so, describe: Yes- See	e Attachment 3A	
Drilling medium anticipated for this well (vertical and horizo	zontal)? Air, freshwater, oil based, etc. Air dril to KOP, fluid dril with SOBM from KOP	to TD
-If oil based, what type? Synthetic, petroleum, etc.	Synthetic Oil Base POffice	RECEIVED of Oil and Gas
Additives to be used in drilling medium? Attachment 3B	1605	0 0 0000
Drill cuttings disposal method? Leave in pit, landfill, remov	ved offsite, etc. landfill MAY	2 0 2020
-If left in pit and plan to solidify what medium will	I be used? (cement, lime, sawdust) WV D	epartment of nental Protection
-Landfill or offsite name/permit number? Meadowfill: Apex Sanitary Landfill Ub-U8438, Brooke Co	SWF-1032, Short Creek SWF-1034,Carbon Limestone MSWL018781, Wetzel County 1- SVVF-1013,	021
	nd Gas of any load of drill cuttings or associated waste rejected at ded within 24 hours of rejection and the permittee shall also disc	

where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature	C
Company Official (Typed Name) Brittany Woody	5

Company Official Title Senior Regulatory Analyst

isominent.	NOTARY PUBLIC OFFICIAL SEAL	£.
1 Martin Martin	JESSICA L. VANGILDER	1
(ALE ALE	State of West Virginia)
	My Comm. Expires Jul 20, 2020	ī
	SWN Production Company, LLC	1
1	9 Innovation Dr. Jane Lew, WV 26378	

Subscribed and sworn before me this	3rd	day of	april	, 20 20
Jessica L.	Vans	ilder	- 1	Notary Public
My commission expires 7-	20-20			

Form WW	11 -2	<u> </u>
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Operator's Well No. Brian Teslovich BRK 205H

SWN Production Co., LLC

Proposed Revegetation Treatment: Acres Dis	sturbed 11.42	Prevegetation pH	
Limeas determined by pH test min.2 Tons/acre (or to correct to pH 6.17		
Fertilizer type 10-20-20			
Fertilizer amount 600/500	lbs/acre		
MulchHay/Straw	Tons/acre		
	Seed Mixtures		
Temporary		Permanent	
Seed Type Ibs/acre Attachment 3C		Seed Type	lbs/acre
			in in Colombany
Attach: Maps(s) of road, location, pit and proposed a provided). If water from the pit will be land a acreage, of the land application area. Photocopied section of involved 7.5' topogra	applied, include dimensions (L phic sheet.	s engineered plans including th x W x D) of the pit, and dime	nsions (L x W), and a Office
Maps(s) of road, location, pit and proposed a provided). If water from the pit will be land a acreage, of the land application area. Photocopied section of involved 7.5' topogra	applied, include dimensions (L phic sheet. 74.3.20	x W x D) of the pit, and dime	nsions (L x W), and a Office MAY
Maps(s) of road, location, pit and proposed a provided). If water from the pit will be land a provided, if water from the pit will be land a provided, if water from the pit will be land a photocopied section of involved 7.5' topogra Plan Approved by:	applied, include dimensions (L phic sheet.	x W x D) of the pit, and dime	nsions (L x W), and a Office
Maps(s) of road, location, pit and proposed a provided). If water from the pit will be land a provided, of the land application area. Photocopied section of involved 7.5' topogra	applied, include dimensions (L phic sheet. 74.3.20	x W x D) of the pit, and dime	nsions (L x W), and a Office MAY
Maps(s) of road, location, pit and proposed a provided). If water from the pit will be land a acreage, of the land application area. Photocopied section of involved 7.5' topogra	applied, include dimensions (L phic sheet. 74.3.20	x W x D) of the pit, and dime	nsions (L x W), and a Office MAY
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Maps(s) of road, location, pit and proposed a provided). If water from the pit will be land a acreage, of the land application area. Photocopied section of involved 7.5' topogra	applied, include dimensions (L phic sheet. 74.3.20	x W x D) of the pit, and dime	nsions (L x W), and a Office MAY

Title: Oil & Gas	Inspector	Da	te: 4.3.70	
Field Reviewed?	(/)Yes	() No)	

Attachment 3A

CLOSED LOOP SYSTEM

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

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

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

AIR DRILLING INTERVALS

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

LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

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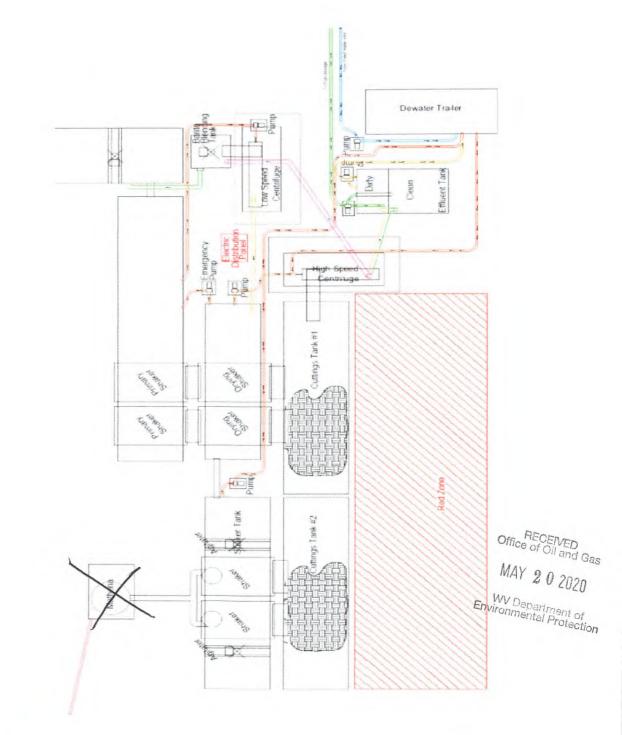
4700900312

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.

EXAMPLE SCHEMATIC FOR CLOSED LOOP SOLIDS CONTROL SYSTEM



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

31		RECEIVEL of Oil and 2 0 202 Attachment 3C	ent 3C
Southwestern Energy*	WVD Seeding	WVD Seeding Specification	Re-V
To Order Se	To Order Seed contact Lyndsi Eddy Flippo office 570-996-4271 cell 501-269-5451 lyndsi_eddy@swn.com		0 days for delivery)
NON-ORGANIC PROPERTIES		금	
Seed Mixture: ROW Mix	SWN Supplied	Seed Mixture: SWN Production Organic Mix	ic Mix SWN Supplied
Orchardgrass	40%	Organic Timothy	%0%
Timothy	15%	Organic Red or White Clover	50%
Annual Ryegrass	15%	OR	
Brown Top Millet	5%	Organic Perennial Ryegrass	50%
Red Top	5%	Organic Red or White Clover	50%
Medium Red Clover	5% All legumes are	Annie - 100ks nos nes	
White Clover	5% innoculated at 5x normal	Apply @ 1000s per acre	Apply @ zools per acre
Birdsfoot Trefoil	5% rate	and a state of a state	there inductions made
Rough Bluegrass	5%	Organic Fertilizer @ 200lbs per Acre	Pelletized Lime @ 2 Tons per Acre
Apply @ 100lbs per acre April 16th- Oct. 14th	Apply @ 200lbs per acre Oct. 15th- April 15th PLUS 50lbs per acre of Winter Wheat	WETLANDS (delineated as iurisdictional wetlands)	ctional wetlands)
SOIL AMENDMENTS		Seed Mixture: Wetland Mix	SWN Supplied
10-20-20 Fertilizer	*Apply @ 500lbs per Acre	VA Wild Ryegrass	20%
Pelletized Lime	Apply @ 2 Tons per Acre	Annual Ryegrass	20%
	*unless otherwise dictated by soil test results	Fowl Bluegrass	20%
Seeding Calculation Information:		Cosmos 'Sensation'	10%
1452' of 30' ROW/LOD is One Acre		Redtop	5%
871' of 50' ROW/LOD is One Acre		Golden Tickseed	5%
622' of 70' ROW/LOD is One Acre		Maryland Senna	5%
		Showy Tickseed	5%
Synopsis:		Fox Sedge	2.5%
Every 622 linear feet in a 70' ROW/LOD,	Every 622 linear feet in a 70' ROW/LOD, you should be using (2) 50lb bags of seed, (4) 50lb	Soft Rush	2.5%
bags of fertilizer and (80) 50lb bags of Liv Wheat/ar)	bags of fertilizer and (80) 50lb bags of Lime (2x seed in winter months + 50lb Winter	Woolgrass	2.5%
Spacial Considerations:		Anniv @ Jelhe nor arro	4.370 Anniu @ Edilar nos ann
Landowner Special Considerations including	Landowner Special Considerations including CREP program participants require additional	April 16th- Oct. 14th	Oct. 15th- April 15th
guidance that is not given here. Discuss these requirements wi	guidance that is not given here. Discuss these requirements with SWN supervision at the	NO FERTILIZER OR LIM	NO FERTILIZER OR LIME INSIDE WETLAND LIMITS

Rev.1/13/2020



MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN



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

API NO. 47-XXX-XXXXX WELL NAME: Brian Teslovich BRK 205H Tiltonsville QUAD Buffalo DISTRICT Brooke COUNTY, WEST VIRGINIA

Submitted by:

Name: Brittany Woody

Date: 3/23/2020

SWN Production Co., LLC

Title: Senior Regulatory Analyst

Approv	ed by:	.00	
Name:	C-,	<u>BIV</u>	

Date: 4.3.20

Office of Oil and Gas MAY 202020 WV Department of Environmental Protection

Approved by:

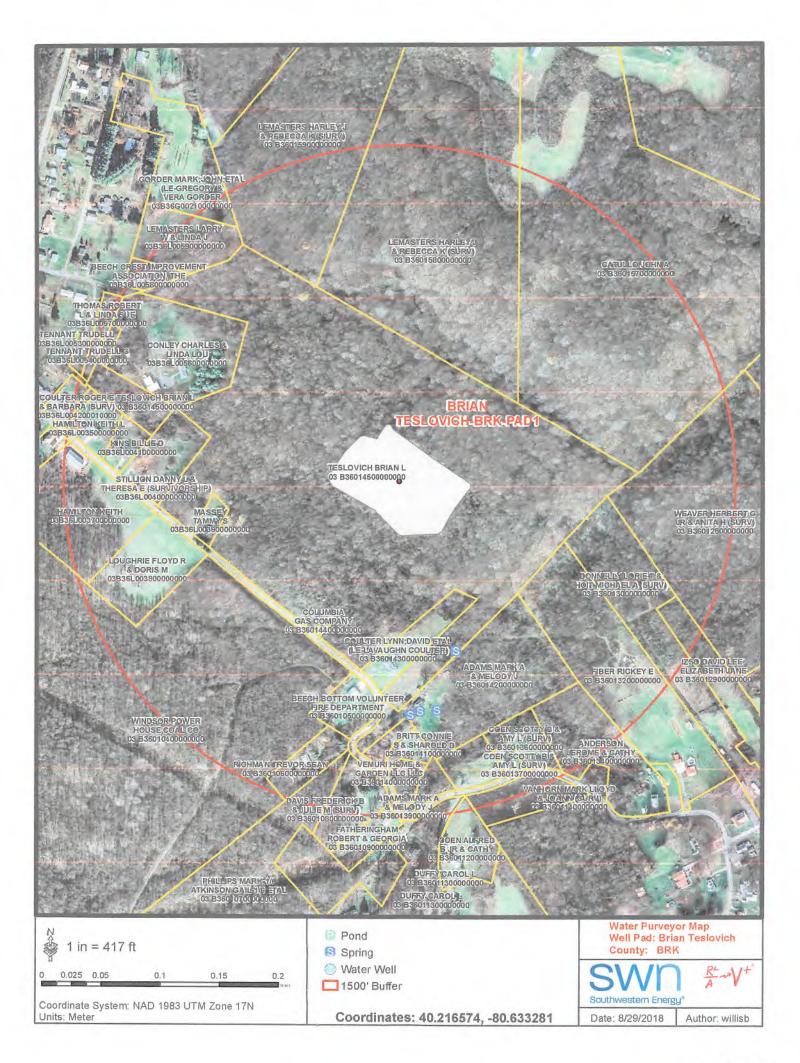
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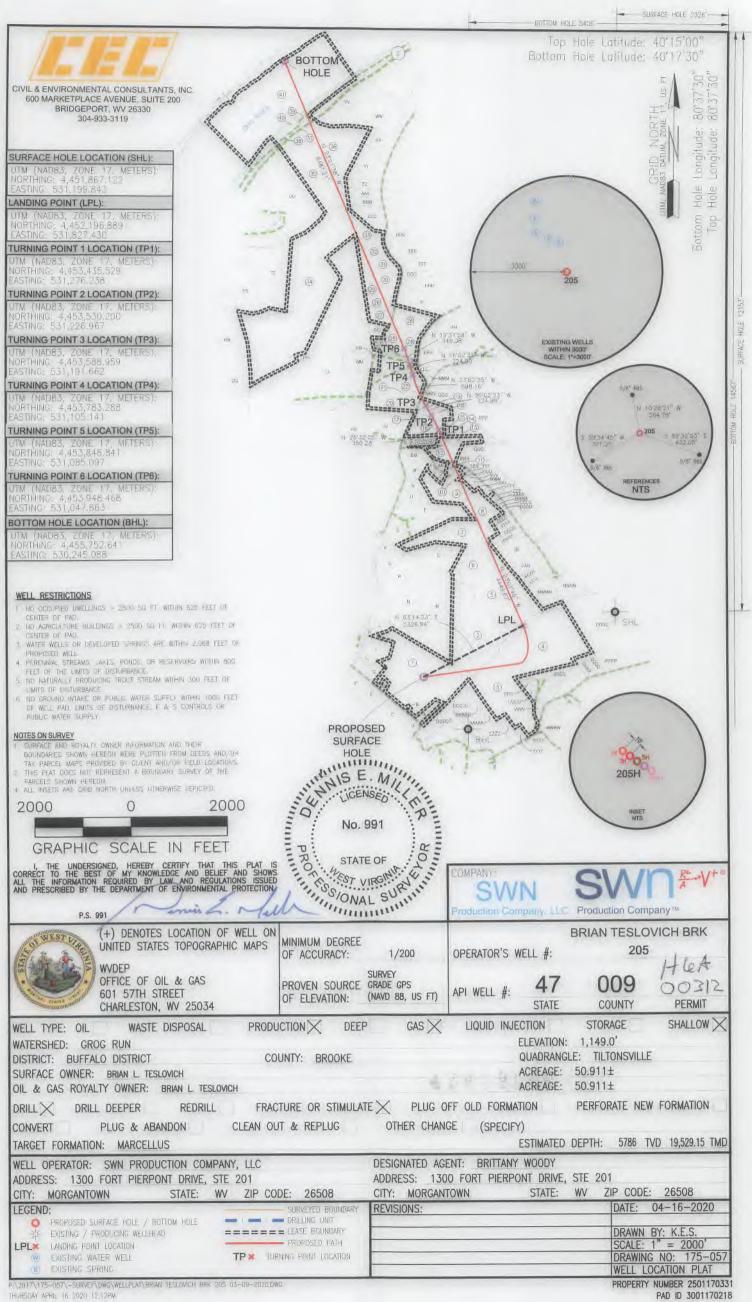
Date: _____

Title: _____

Title: Oil col (tis Inspector

SWN PRODUCTION COMPANY, LLC - CONFIDENTIAL







DACT	ADJOINING OWNERS TABLE	TAN DUDON	10000
RACT	SURFACE OWNER	TAX PARCEL	ACRES
A	COULTER LYNN; DAVID ET AL	03-836-143	1.28
BC	COLUMBIA GAS COMPANY	03-B36-144	0.048
D	WINDSOR POWER HOUSE COAL COMAPNY	03-836-104	87.28
E	TAMMY S. MASSEY LOUGHRIE FLOYD R. & DORIS M.	03-B36L-39 03-B36L-38	0.5
F	KEITH HAMILTON	03-836L-37	2.80
G	STILLION DANNY L & THERESA E	03-B36L-40	2.00
H	BRIAN TESLOVICH	03-B36L-69	50,911
1	CONLEY CHARLES & LINDA LOU	03-B36L-56	5,209
J	BEECH BOTTOM VOLUNTEER FIRE DEPARTMENT	03-836-105	1.22
K	BEECH CREST IMPROVEMENT	03-B36L-58	0.52
12	LEMASTERS LARRY W. & LINDA J.	03-B36L-59	2.31
M	LEMASTERS HARLEY J & REBECCA K.	03-B36-158	23.70
N	LEMASTERS HARLEY J. & REBECCA K.	03-B35-159	13.00
O	MCCONKEY TIMOTHY T. & CATHERINE (SURV)	03-B36-154	9.00
P	WRIGHT WARKUS K. & PEGGY J.	03-836-160	7.30
0	THOMAS & JENNIFER VIAU	03-B36-161	4.65
R	DEBORAH GRAHAM	Q3-B36-162	3.21
S	JUSTIN & DAYNA HEHR	03-B36-152	10.50
Ŧ	JUSTIN MEHR	03-836-151	10.55
U I	LEMASTERS HARLEY J. & REBECCA K. (SURV)	03-836-150	3,06
V	LEMASTERS HARLEY J. & REBECCA K. (SURV)	03-836-149	2,70
W	LEMASTERS HARLEY J.	D3-B36-148	3.60
X	NORTHERN PANHANDLE BOWMEN CLUB	03-B36-70	11.47
Y	ASHBROOK HARRY A.	03-636-68	0.52
2	ASHEROOK HARRY A	03 836 69	0.50
AA	ADAMS MICHALE W	03-B36-66	1.00
BB	LEMASTERS HARLEY J.	03-838-147	4,00
CC.	BRIAN, JOHN & TIMOTHY LUCAS	03-836-24	0.478
DD	STICKLES TERRY L	03-836-23	0.48
EE	MIDCAP WARREN & ESTHER F.	03-836-22	0.39
FF	MIDCAP WARREN & ESTHER F	03-B36-21	0,48
GG	DLIVER OWEN & THELMA !.	03-B36-20	0.48
HH	STILLION DANNY L. & THERESA E.	03-8361-40	2,00
11	LOUGHRIE FLOYD R. & DORIS M.	03-B36L-38	2.80
JJ	MATHESS JOSHUA	03-831-77	12.76
KK I	FODOR STEPHEN A.; BROWNLEE JUDY L.	03-B36-176	17.65
LL	LOMBARD BERNARD J. III	03-B31-B1	86.31
MM	CROSS REBECCA RUTH	03-831-81.1	5,00
NN	WOOLWINE TIMOTHY A & MELINA BETH	03-B31-80.1	1.00
00	KYLE T. & KATLIN R. COOPER	03-B31-122	
PP	ROBINSON PATRICIA GRAYSON	03-831-83	1.00
00	LOMBARD BERNARD J III	03-B31-58	8.00
RR		01-BB31-58	
SS	KOKOSINSKI JOHN T.; JASON JARRETT (SURV)	01-BB31-64	12.44
TT	SCHIAPPA AND COMPANY INC.	03-8831-65	24.60
UU	THOMPSON ET AL & A& G THOMPSON GROUP LLC	03-831-8	45.25
VV	HES LIMITED LIABILITY CORP.	03-B31-4	15.79
WW	COSS ROAD FARM, LLC	03-B31-118	17.18
XX	TAYLOR BARBARA A.	03-B31-117	5.00.
YY	WALNOHA RAY	03-B31-115	9.27
ZZ	STEWART ROBERT J. SR. & MARGARET F. (SURV)	03-B31-132	7.39
AAA	STEWART ROBERT J. SR & MARGARET E. (SURV)		7.88
	PARKS RONALD C.	03-831-134	8.15
BBB	TOLBETT WILLIAMS	03-B31-131	5.31
CCC	MCCLELLAND JERRY L. & ANGEL L. (SURV)	03-831-136	9.18
DDD		03-B31-137	11.35
EEE	SUMMERS RODGER & CONNIE		
FFF	SALEM THOMAS & PAULINE	03-B31-138	7.73
GGG	FRANCIS KEITH R.	03-B31-139	11.99
HHH	CLARK RANDOLPH L. & TAMMY R. (SURV)	03-B31-140	17.00
m	CLARK RANDOLPH L. & TAMMY R. (SURV)	03-B31 141	12.65
JUJ	STARKEY HAROLD	03-831-104	34,04
KKK .	LOUCH WILLIAM & BEVERLY (SURV)	03-B31-110	7,59
ELL	THOMAS BETTY A.	03-831-85	0.94
MMM	THOMAS ROBERT LEE SR. & LINDA SUE	03-B31-109	1.40
NNN	BLAKE LONNIE V.	03-831-89	5.00
000	BLAKE LONNIE V.	03-B31-90	5.00
PPP	BLAKE LONNIE	03-B31-89	29.15
QQQ	OBRIEN CARLOS J. & BILLIE D.	03-B36 28	5.14
RRR	WILLIAMS CHARLES & MARSHA (SURV)	03-B36-27	1,75
555	WILLIAMS THURMAN E. JR	03-B36 29	1.75
TTT	FULKS DONNA J.	03-B36-63	0.25
UUU	RANDOLPH & CAROLYN ROXBY	03-836-82	0.16
WW	ROXBY RANDY L., MILLER CAROLIN A.	03-B36-61	0.50
www	ROXBY RANDY L; MILLER CAROLIN A.	03-B36-60	0.50
XXX	BRENDA LONG	03-B36-59	0.50
YYY	ELLIOTT SCOTT CORWIN & TRACEY LYNN (SURV)	03-836-58	0.47
	ELLIOTT HAROLD E.	03-B36-56	0.49
ZZZ	ELLIOTT HAROLD E. & LINDA J.	03-B36-55	0.172
	FLUUTI MARGLU E. & LINDA J.	00 000 00	10.172

CCCC ELLIOTT WILMA M. 03-B36-53 0.14 DDDD ELLIOTT WILMA M. 03-B36-52 0.321 EEEE HECK MERCIA L. 03-B36-52 0.321 EEEE HECK MERCIA L. 03-B36-50 0.98 FFFF BIRKEIT LARRY M. & BARBARA A. 03-B36-49 0.94 HHHH PARKS RONALD C 03-B36-49 0.94 HHHH PARKS RONALD C 03-B37-40 4.61 KKKK PRINGLE WM E. & JUNE 03-B37-40 4.61 KKKK PRINGLE WM E. & JUNE 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-34 6.787 OOOO LOUGHERY VICKE C. & SHEENA P. (SURV) 03-B37-103 38.92 PPPP SMITH HEIRS 03-B37-105 3.89 OQQQ HUFF ROY & WIRGINIA C. (SURV) 03-B37-110 3.892 PPPP SMITH HEIRS 03-B37-110 3.892 QOQQ HUFF JOHN JOSEPH & CHRISTINE C. 03-B37-110 3.09 <t< th=""><th></th><th colspan="5">ADJOINING OWNERS TABLE</th></t<>		ADJOINING OWNERS TABLE				
DDDD ELLIOTT WILMA M. 03-B36-52 0.321 EEEE HECK MERCIA L. 03-B36-51 0.98 FFFF BIRKETT LARRY M. & BARBARA A. 03-B36-50 2.00 GGCG PRINGLE WILLIAM C. 03-B36-50 2.00 GGCG PRINGLE WILLIAM C. 03-B36-49 0.94 HHH PARKS RONALD C 03-B36-47 7.26 IIII WALNOHA CAROL 03-B37-40 4.61 KKKK PRINGLE WM E. & JUNE 03-B37-38 1.82 LLLL BEAULAC ROY R. 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-105 6.73 NNN WALNOHA RALPH JR & CAROL J. 03-B37-103 38.92 PPPP SMITH HEIRS 03-B37-105 3.89 OQOO LOUGHERY VICKIE C. & SHEENA P. (SURV) 03-B37-106 2.00 SSSS HUFF JOHIN JOSEPH & CHRISTINE C. 03-B37-107 2.00 SSSS HUFF JOHIN JOSEPH & CHRISTINE C. 03-B37-117 1.10 UUUU GRIZZEL MARK A. (EF-EUGRNE & MARGAREI GRIZZEL) 03-B	TRACT	SURFACE OWNER	TAX PARCEL	ACRES		
EEEE HECK MERCIA L. 03-B36-51 0.98 FFFF BIRKETT LARRY M. & BARBARA A. 03-B36-50 2.00 GGGG PRINGLE WILLIAM C. 03-B36-50 2.00 GGGG PRINGLE WILLIAM C. 03-B36-50 2.00 HHHH PARKS RONALD C. 03-B36-49 0.94 HHHH PARKS RONALD C. 03-B37-134 8.15 IIII WALNOHA CAROL 03-B37-40 4.61 KKKK PRINGLE WM E. & JUNE 03-B37-38 1.82 LLLL BEAULAC ROY R. 03-B37-37 2.20 MMMM ROY BEAULAC 03-B37-105 6.73 NNNN WALNOHA RALPH JR & CAROL J. 03-B37-103 38.92 PPPP SMITH HEIRS 03-B37-105 3.89 QOQO LUUFF ROY & VIRGINIA C. (SURV) 03-B37-107 2.00 SSSS HUFF JOHN JOSEPH & CHRISTINE C. 03-B37-116 1.08 TITT NICHOLSON DANIEL A. 03-B37-117 1.10 UUUU GRIZZEL MARK A. (EF-LUGENE & MARGAREI GRIZZEL) 03-B37-119	0000	ELLIOTT WILMA M.	03-B36-53	0.14		
FFFF BIRKETT LARRY M. & BARBARA A. 0.3-B36-50 2.00 GGGG PRINGLE WILLIAM C. 0.3-B36-49 0.94 HHHH PARKS RONALD C. 0.3-B36-49 0.94 HHHH PARKS RONALD C. 0.3-B36-47 7.26 IJJJ JOHNSON FRANK ET AL 0.3-B37-40 4.61 KKKK PRINGLE WM E. & JUNE 0.3-B37-38 1.82 LLL BEAULAC ROY R. 0.3-B37-37 2.208 MMMM ROY BEAULAC 0.3-B37-37 6.73 NNNN WALNOHA RALPH JR & CAROL J. 0.3-B37-36 6.787 0000 LOUGHERY VICKIE C. & SHEENA P. (SURV) 0.3-B37-105 3.892 PPPP SMITH HEIRS 0.3-B37-106 2.00 RRR LEWIS GEORGE M. & JUDY 0.3-B37-116 1.08 TITT NICHOLSON DANIEL A. 0.3-B37-116 1.08 TITT NICHOLSON DANIEL A. 0.3-B37-117 1.10 UUUU GRIZZEL MARK A. (LE-CUGENE & MARGAREL GRIZZEL) 0.3-B37-119 23.62 WWW MATT NGENIN DAVIES </td <td>DDDD</td> <td>ELLIOTT WILMA M.</td> <td>03-B36-52</td> <td>0.321</td>	DDDD	ELLIOTT WILMA M.	03-B36-52	0.321		
GGGG PRINGLE WILLIAM C. 03-B36-49 0.94 HHHH PARKS RONALD C 03-B36-49 0.94 HHHH PARKS RONALD C 03-B36-47 7.26 JUJJ JOHNSON FRANK ET AL 03-B37-40 4.61 KKKK PRINGLE WILLIAM C. 03-B37-40 4.61 KKKK PRINGLE WM E. & JUNE 03-B37-37 2.208 MMMM ROY BEAULAC ROY R. 03-B37-35 6.73 NNNN WALNOHA RALPH JR & CAROL J. 03-B37-35 6.787 OOOD LOUGHERY VICKE C. & SHEENA P. (SURV) 03-B37-103 3.892 QQQQ HUFF ROY & VIRGINIA C. (SURV) 03-B37-106 2.00 PPPP SMITH HEIRS 03-B37-107 2.00 SSSS HUFF JOHN JOSEPH & CHRISTINE C. 03-B37-110 1.08 TITT NICHOLSON DANIEL A. 03-B37-117 1.10 UUUU GRIZZEL MARK A. (LE-EUGENE & MARGARET GRIZZEL) 03-B37-113 1.25 VVVV FREDERICK & JULIE DAVIS 03-B37-119 23.62 WWW MATTHEWS LORI <	EEEE	HECK MERCIA L.	03-836-51	0.98		
HHHH PARKS RONALD C 03-B31-134 8.15 IIII WALNOHA CAROL 03-B36-47 7.26 IJJJJ JOHNSON FRANK ET AL 03-B37-40 4.61 KKKK PRINGLE WM E. & JUNE 03-B37-38 1.82 LLL BEAULAC ROY R. 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-37 2.208 MIMM ROY BEAULAC 03-B37-37 2.208 MIMM ROY BEAULAC 03-B37-36 6.73 NNNN WALNOHA RALPH JR & CAROL J. 03-B37-31 6.787 OOOD LOUGHERY VICKIE C. & SHEENA P. (SURV) 03-B37-103 38.92 PPPP SMITH HEIRS 03-B37-106 2.00 DQQQ HUFF ROY & VIRGINIA C. (SURV) 03-B37-107 2.00 SSSS HUFF JOHN JOSEPH & CHRISTINE C. 03-B37-117 1.08 TITT NICHOLSON DANIEL A. 03-B37-113 1.25 VVVV FREDERICK & JULIE DAVIS 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62	FFFF	BIRKETT LARRY M. & BARBARA A.	03-B36-50	2.00		
III WALNOHA CAROL 03-B36-47 7.26 JJJJ JOHNSON, FRANK ET AL 03-B37-40 4.61 KKKK PRINGLE, WM, E. & JUNE 03-B37-38 1.61 LLLL BEAULAC, ROY R. 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-34 6.73 NINN WALNOHA RALPH JR, & CAROL J. 03-B37-34 6.787 0000 LOUGHERY VICKE, C. & SHEPNA P. (SURV) 03-B37-103 38.92 0000 HUFF ROY & WIRGINIA, C. (SURV) 03-B37-105 3.89 00000 HUFF ROY & WIRGINIA, C. (SURV) 03-B37-107 2.00 SSSS HUFF JOHN JOSEPH & CHRISTINE, C. 03-B37-116 1.08 TITT NICHOLSON DANIEL, A. 03-B37-117 1.10 UUUDU GRIZZEL MARK A. (LE-EUGENE & MARGARET GRIZZEL) 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 YYYY HUFF TIMOHY J.	GGGG	PRINGLE WILLIAM C.	03-B36-49	0.94		
JJJJ JOHNSON FRANK ET AL 03-B37-40 4.61 KKKK PRINGLE WM E. & JUNE 03-B37-38 1.82 LLLL BEAULAC ROY R. 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-37 6.73 NNNN WALNOHA RALPH JR & CAROL J. 03-B37-37 6.787 0000 LOUGHERY VICKIE C. & SHEENA P. (SURV) 03-B37-103 38.92 PPPP SMITH HEIRS 03-B37-105 3.89 QQQ HUFF ROY & VIRGINIA C. (SURV) 03-B37-106 2.00 RRR LEWIS GEORGE M. & JUDY 03-B37-116 1.08 TITT NICHOLSON DANIEL A. 03-B37-116 1.08 TITT NICHOLSON DANIEL A. 03-B37-117 1.10 UUUU GRIZZEL MARK A. (LE-DUGENE & MARCAREL GRIZZEL) 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 YYYY HUFF TIMOTHY J. 03-B36-126 <	HHHH	PARKS RONALD C	03-B31-134	8.15		
KKKK PRINGLE_WM_E_& JUNE 03-B37-38 1.82 LLLL BEAULAC_ROY_R. 03-B37-37 2.208 MMMM ROY_BEAULAC 03-B37-37 2.208 MMMM ROY_BEAULAC 03-B37-37 2.208 MMMM ROY_BEAULAC 03-B37-37 2.208 MNNN WALNOHA_RALPH_JR_& CAROL_J. 03-B37-34 6.787 0000 LOUGHERY VICKIE_C_& SHEENA_P. (SURV) 03-B37-105 3.892 PPPP SMITH_HEIRS 03-B37-105 3.89 QQQQ HUFF_ROY_& VIRGINIA_C. (SURV) 03-B37-106 2.00 RRR LEWIS_GEORGE_M_& JUDY 03-B37-107 2.00 SSSS HUFF_JOHN_JOSEPH & CHRISTINE_C. 03-B37-116 1.08 TITT NICHOLSON DANIEL_A 03-B37-117 1.10 UUUUU GRIZZEL MARK A. (LET-EUGENE & MARGARET GRIZZEL) 03-B37-119 23.62 WWW MATTHEWS_LORI 03-B37-119 23.62 WWW MATTHEWS_LORI 03-B37-119 23.62 YYYY HUFF TIMOTHY_J. 03-B36-126	URL .	WALNOHA CAROL	03-B36-47	7.26		
LLLL BEAULAC ROY R. 03-B37-37 2.208 MMMM ROY BEAULAC 03-B37-35 6.73 NNNN WALNOHA RALPH JR & CAROL J. 03-B37-35 6.73 OOOD LOUGHERY VICKIE C. & SHEENA P. (SURV) 03-B37-34 6.787 OOOD LOUGHERY VICKIE C. & SHEENA P. (SURV) 03-B37-103 38.92 PPPP SMITH HEIRS 03-B37-106 2.00 RRRR LEWIS GEORGE M. & JUDY 03-B37-107 2.00 SSSS HUFF JOHN JOSEPH & CHRISTINE C. 03-B37-117 1.08 TITT NICHOLSON DANIEL A. 03-B37-117 1.10 UUUU GRIZZEL MARK A. (LE-EUGENE & MARGAREI GRIZZEL) 03-B37-113 1.25 VVVV FREDERICK & JULIE DAVIS 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 YYYY HUFF TIMOTHY J. 03-B36-126 0.75 ZZZZ MILLER ZACHARY (CO TRUSTEES-THOMAS & TONYA MILLER) 03-B36-128 2.00 3BBBB DONNELLY LORIE T. & HOT MICHAEL S. (SURV) 03-B36-130 5.75	Ubbb	JOHNSON FRANK ET AL	03-B37-40	4.61		
MMMM ROY BEAULAC 03-B37-35 6.73 NINIM WALNOHA RALPH JR & CAROL J. 03-B37-34 6.787 OGOO LOUGHERY VICKIE C. & SHEENA P. (SURV) 03-B37-34 6.787 PPPP SMITH HEIRS 03-B37-103 38.92 OQQQ HUFF ROY & WICKIE C. (SURV) 03-B37-105 3.89 OQQQ HUFF ROY & WICKIE C. (SURV) 03-B37-107 2.00 RERR LEWIS GEORGE M. & JUDY 03-B37-107 2.00 SSSS HUFF JOHN JOSEPH & CHRISTINE C. 03-B37-116 1.08 TITT NICHOLSON DANIEL A. 03-B37-117 1.10 UUUDU GRIZZEL MARK A. (LE-EUGENE & MARGARET GRIZZEL) 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 YYYY HUFF TMOTHY J. 03-B37-119 23.62 YYYY HUFF TMOTHY J. 03-B37-128 2.00 AAAAA IZSO DAVID LEE, EUZABETH JANE 03-B36-126 0.75 ZZZZ MILLER ZACHARY (CO TRUSTEES-THOMAS & IONYA MILER) 03-B36-130 5.75 DCOCCC	KKKK	PRINGLE WM E. & JUNE	03-B37-38	1.82		
NNNN WALNOHA RALPH JR & CAROL J. 03-B37-34 6,787 0000 LOUGHERY VICKE C. & SHEENA P. (SURV) 03-B37-103 38.92 PPPP SMITH HEIRS 03-B37-105 3.89 0000 HUFF ROY & VIRGINIA C. (SURV) 03-B37-105 3.89 0000 HUFF ROY & VIRGINIA C. (SURV) 03-B37-105 3.89 0000 HUFF ROY & VIRGINIA C. (SURV) 03-B37-105 3.89 0000 HUFF ROY & VIRGINIA C. (SURV) 03-B37-105 2.00 SSSS HUFF JOHIN JOSEPH & LHRISTINE C. 03-B37-116 1.08 TITT NICHOLSON DANIEL A. 03-B37-117 1.10 UUUU GRIZZEL MARK A. (EF-EUGENE & MARGAREI GRIZZEL) 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 YYYY HUFF TMOTHY J. 03-B37-119 23.62 YYYY HUFF TMOTHY J. 03-B36-126 0.75 ZZZZ MILLE ZACHARY (CO TRUSTEES -IHOMAS & IONYA MILER) 03-B36-126 0.75	LLLL	BEAULAC ROY R.	03-B37-37	2.208		
0000 LOUGHERY VICKIE C. & SHEENA P. (SURV) 03-B37-103 38.92 PPPP SMITH HEIRS 03-B37-105 3.89 QQQQ HUFF ROY & VIRGINIA C. (SURV) 03-B37-105 3.89 PRRR LEWIS GEORGE M. & JUDY 03-B37-107 2.00 PRRR LEWIS GEORGE M. & JUDY 03-B37-116 1.08 TITT NICHOLSON DANIEL A. 03-B37-117 1.10 UUUU GRIZZEL MARK A. (LE-EUGENE & MARGAREL GRIZZEL) 03-B37-113 1.25 VVVV FREDERICK & JULIE DAVIS 03-B37-119 23.62 WWW MATTHEWS LORI D3-B37-119 23.62 YYYY HUFF TIMOTHY J. 03-B36-126 0.75 ZZZZ MILLER ZACHARY (CO TRUSTEES -THOMAS & TONYA MILER) 03-B36-128 2.00 AAAAA IZSO DAVID LEE, ELIZABETH JANE 03-B36-129 3.00 BBBB DONNELLY LORIE T. & HOT MICHAEL S. (SURV) 03-B36-130 5.75 CCCCC RICKEY E FIBER 03-B36-132 8.46	MMMM	ROY BEAULAC	03-B37-35	6.73		
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DQQQ HUFF ROY & VIRGINIA C. (SURV) 03-B37-106 2.00 RRRR LEWIS GEORGE M. & JUDY 03-B37-107 2.00 SSSS HUFF JOHN JØSEPH & CHRISTINE C. 03-B37-116 1.08 TTTT NICHOLSON DANIEL A. 03-B37-117 1.01 UUUU GRIZZEL MARK A. (LE-EUGENE & MARGAREI GRIZZEL) 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 WWW MATTHEWS LORI 03-B37-119 23.62 YYYY FREDERICK & JULIE DAVIS 03-B37-119 23.62 YYYY HUFF TIMOTHY J. 03-B37-126 0.75 ZZZZ MILLER ZACHARY (OU TRUSTEES-THOMAS & IONYA MILLER) 03-B36-126 0.75 ZZZZ MILLER ZACHARY COT RUSTEES-THOMAS & IONYA MILLER) 03-B36-128 2.00 BBBBB DONNELLY LORIE T. & HOT MICHAEL S. (SURV) 03-B36-129 3.00 BBBBB DONNELLY LORIE T. & HOT MICHAEL S. (SURV) 03-B36-130 5.75 CCCCC RICKEY E FIBER 03-B36-132 8.46	0000	LOUGHERY VICKIE C. & SHEENA P. (SURV)	03-B37-103	38.92		
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VVVV FREDERICK & JULIE DAVIS 03-B37-119 23.62 WWWW MATTHEWS LORI 03-B37-119.2 24.43 XXXX FREDERICK & JULIE DAVIS 03-B37-119.2 24.62 YYYY HUFF TIMOTHY J 03-B36-126 0.75 ZZZZ MILLER ZACHARY (CO TRUSTES-THOMAS & TONYA MILLER 03-B36-128 2.00 AAAAA IZSO DAVID LEE: ELIZABETH JANE 03-B36-129 3.00 BBBBB DONNELLY LORIE T. & HOIT MICHAEL S. (SURV) 03-B36-130 5.75 DCCCCC RICKEY E FIBER 03-B36-132 8.46	TITT	NICHOLSON DANIEL A.	03-837-117	1.10		
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BBBBB DONNELLY LORIE X HOIT MICHAEL S(SURV) 03-836-130 5.75 DCCCCC RICKEY E FIBER 03-836-132 8.46	ZZZZ	MILLER ZACHARY (CO TRUSTEES-THOMAS & TONYA MILLER)	03-B36-128	2.00		
DCCCC RICKEY E FIBER 03-B36-132 8.46	AAAAA	1750 DAVID LEE; ELIZABETH JANE	03-B36-129	3.00		
	BBBBB	DONNELLY LORIE T. & HOIT MICHAEL S. (SURV)	D3-B36-130	5.75		
ADAMS MARK A & MELODY L 03-B36-142 6.21	occcc	RICKEY E FIBER	03-B36-132	8,46		
TOTAL TRANSFER OF THE CONTRACT OF THE PARTY	DDDDD	ADAMS MARK A. & MELODY J.	03-B36-142	6.21		

TRACT	WELL BORE TABLE FOR SURFACE / ROYALTY SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	BRIAN L. TESLOVICH/SWN PRODUCTION COMPANY, LLC	03-B36-145	50.91
2	JOHN A. CATULLO	03-B36-157	39.50
£	MILLER LOUIS	03-836-125	29.47
4	LOUGHERY VIEKIE C. & SHEENA R.	03-B37 41	41.00
5	CIUMMO TARQUINIO: EMMA M; ANTONIO (SURV)	03-836-156	33.53
6	MCCONKEY TIMOTHY T & CATHERINE (SURV)	03-B36-155	11.90
7	MOCONKEY TIMOTHY I & CATHERINE (SURV)	03 B36-153	18.38
B		03-B36-57	10.48
	ELLIOTT HAROLD EARL	03-836-70	11.40
9 10	NORTHERN PANHANDLE BOWMEN	03-B36-64	2.00
11	PELLEN SAMUEL L. & DONNA M. (SURV) ADAMS MICHAEL W	03-836-65.1	1.00
-		03 836-26	5.26
12	OBRIEN CARLOS J. & BILLIE J.	03-B36-25	4.32
	OBRIEN CARLOS J. & BILLIE D.		0.47
(4	LUCAS RENNETH C.	03-836-24	
15	STICKLES TERRY L.	03-B36-23	0,48
16	HILDERBRAND ROBERT D. & CAROLYN (SURV)	03-B31-86	6.07
17	LONG JAMES J. & GERALDINE	03-B31-87	2.30
18	HUGGINS PERCY E. & DOROTHY I.	03-831-88	2.00
19	BLAKE LONNIE	03-831-89	29,15
20	WALNCHA MICHAEL S.	03-831 78	5.15
21	WALNOHA MICHAEL S.	03-B31-79	2.77
22	WOOLWINE TIMOTHY A. & MELINA BETH	03-831-80	18.42
23	FOX SCHAFTER JOHNNIE L. & SCOTT E.	03-B31-122	3,49
24	LYNN JEFFREY H. & BRENDA S. (SURV)	03-831-144	4,98
25	LYNN JEFFREY H. & BRENDA S. (SURV)	Q3-B31-143	3.41
26	ULLOM ANDREW LA; LYNN JEFFREY H. (SURV)	()3-B31-142	9.87
27	LEMASTERS HARLEY J. & REBECCA K (SURV)	03-B31-124 03-B31-125	3.09
28	HANCHER DAVID W. & CHARLOTTE A.	03-B31-126	3.50
30	LEMASTERS HARLEY J. GRIMM JAMES W.	03-B31-120 03-B31-127	4.95
31	GRIMM JAMES W & ROBIN LYNN (SURV)	03-B31-127	4.40
32	GRIMM JAMES W & RUBIN LININ (SURV)	03-831-120	4.71
33	WEEKLY MARION: GROVES NANCY	03-B31-128	
34	LOMEARD BERNARD J. II	03-831-82	100.5
35		01-831-6	26.00
35	WALNOHA RAY WALNOHA RAY	01-831-6	26.00
37	BROOKE CO. RT 2	01-001-0	20.05
38	WEST VIRGINIA DEPARTMENT OF HIGHWAYS	3-827-11	
39	CAMPBELL TRANSPORTATION COMPANY, INC.	3-827-10	12.48
40	STATE OF WEST VIRGINIA	1	
41	OHIO RIVER DWNED BY THE STATE OF WEST VIRGINIA		

47 009 DOZIZHUA API WELL #: STATE COUNTY COMPANY R- V+= **REVISIONS:** SWN Production Company, LLC Production Company DATE: 04-16-2020 BRIAN TESLOVICH BRK OPERATOR'S 205 DRAWN BY: K.E.S. SCALE: N/A DRAWING NO: 175-057 WELL LOCATION PLAT 2 WELL #: DISTRICT: BUFFALO DISTRICT STATE: WV COUNTY: BROOKE

P:\2017\175-057\-SURVEY\DWG\WELLPLAT\BRIAN TESLOVICH BRK 205 03 03-THURSDAY APRIL 16 2020 12 11PM

Operator's Well No. Brian Teslovich BRK 205H

WW-6A1 (5/13)

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"

*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, LLC					
By:						
Its:	Staff Landman	·				

Page 1 of _

RECEIVED Office of Oil and Gas

MAY 2 0 2020

WV Department of Environmental Protection

V	<u>н</u>	Tract
3-836-157	3-B36-145	Tax Parcel
Royalty Owners Anna May Miller, a widow dealing herein with her separate property James E. Williams, a married man dealing herein with his separate property, and Lois A. Williams, a married woman, delaing hereing with her sperate property 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 hereinby Clifford E. Good, as Power of Attorney-in- Fact	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 wife	ax Parcel Lessor Creveatry Stor Book/P
SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC n SWN Production Company, LLC n- SWN Production Company, LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC	Lessee
18.00% 14.00% 16.00% 16.00% 18.00%	17% 16.0% 16.0% 16.0% 16.0% 16.0%	Off Revalty W Enviror
37/112 38/723 39/443 39/449 39/455 39/457 39/467	24/216 30/480 47/527 47/774 47/787 48/1 48/1 48/200 49/20	Book/Page
1.10%	0%	Interest Not Leased by SWN Production Company, LLC

Laurence B. Lane, married, dealing herein with his	separate property	Karen Binswanger, married, dealing herein with her	Janice Miller, single	James Diehl, single	James Branch, single	separate property	George Diehl II, married, dealing herein with his	separate property	Ray E. Lane, married, dealing herein with his	separate property	Peter Brade, married, dealing herein with his	Attorney	represented herein by Margaret Miller as Power of	her separate property Nancy Stratford f/k/a Nancy Miller widow	Bobbete McCormick, married, dealing herein with	withhis separate property	Daniel Branch, a married man, dealing herein	separate property	Dennis Stroh, married, dealing herein with his	in-Fact, Susanne M. Ross	separate property, represented herein by Attorney-	Robert L. Miller, Jr., married, dealing herein with his	Mariorie Cook DeShazer, a widow	dealing herein with her seperate property	single woman, Nancy Postle, a married woman,	herein with her seperate property, Dorothy Craft, a	Norma Jean Schoene, a married woman, dealing	woman, delaing herein with her seperate property,	seperate property, Beverly Clifton-Lowe, a married	Wanda Bennet, a widow, dealing herein with her	woman, dealing herein wiht her seperate property,	her sperate property, Charlene LeMastes, a married	Greathouse, a married woman, dealing herein with	dealing herein with his separate property, Linda S.	property, August Robert Alexander, a married man,	married man, dealing herein with his eperate	with his separate property, Ronnie L. Alexander, a	Donald A. Alexander, a married man, dealing herei		Brian Teslovich BRK 205H Brooke County, 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		SWN Production Company, LLC	- :	SWN Production Company, LLC		SWN Production Company, LLC	r		SWN Production Company, LLC	SWN Production Company, LLC		-						a						5		is retrinction, www-eA1, by SWN Frodu wich BRK 205H ity, West Virginia
	14.00%		14.00%	14.00%	14.00%	14.00%		14.00%		14.00%		14.00%		14.00%		14.00%		14.00%		18.00%			14.00%	18.00%														Offi		EIVED
	42/19		41/794	41/788	41/782	41/770		41/696		41/690		41/684		41/202		40/641	-	40/177		40/7		001100	39/793	39/543												E	nv	WV WV iron _l	HY 2 (Departr mental j	P 2020 Period

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husband and wife Andres Glassow and Karen S. Glassow, husband and	and wife Mark Bryan Duncan and Cynthia Elizabeth Duncan.	Donald Geer and Dolores Ann Geer aka Dee Geer, husband and wife Pamela Sue Amadril, a divorced woman Scott G. Duncan and Heather S. Duncan husband	Artifut D. Storier aka Art Dwight Storier, a divorced	dealing herein with her separate property Jonathon Montgomery, single Sherri Lynn Hugic, a divorced woman	Diane Carol Givens, married, dealing herein with her separate property	Ernest N. Paimer, a Widower, dealing nerein with his separate property David Drummond, single	Lawrence S. George II, a/k/a Stephen George, married herein with his separate property Bonnie Walter Benjamin Price, single	Arjanta Scott, r/K/a Arjanta George, married, dealign herein with her separate property Jean Weaver, married, dealing herein with her separate property	Sherrel Novinger, f/k/a Sherrel Pierson, single Darrel Pierson, single	Christine Herriott, f/k/a Christine George, married, dealing herein with her separate property Susan Sprouse, f/k/a Susan Givens, married, dealing herein with her separate porperty	Eric Price, married, dealing herein with his separate property Frederick Anton Schneider, widow	Margaret Miller, single SWN Production Company, LLC 14.00% \mathcal{R}_{0}^{G} 22/6 Marjorie Miller Winhoven, married, dealing herein \mathcal{R}_{0} 22/6 withher separate property SWN Production Company, LLC 18.00% 042/7	Attached to and made a part of the state of west virginia of and to Brian Tesh Brooke Cou
nd SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC		NS SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	gn SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC	, SWN Production Company, LLC 1g SWN Production Company, LLC	e SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC	ovich BRK 205H nty, West Virginia
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49/248	49/141	48/778 49/1	48/770	50/754 50/742 48/706	50/733	39/461 50/721	47/30 47/48 47/607	46/768 46/774	46/483 46/495	46/182 46/296	86 76	Office of Defice of DA DA DA VI VI VI Depa vironment	0 202

WV Department of ironmental Protection

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															3-836-156		3-B37-41					3-B36-125						
Beverly Miller, a widow	Fact	Joyce H. Tomalin, represented herein by Attorney-in-	hereinby Clifford E. Good, as Power of Attorney	Robert W. Dally. Jr., a single man represented	with his sperate property	Joseph R. N. Miller III, a married man, dealing herein	Joanne L. Turner, widow	Marilyn Miller, a widow	property	married woman, delaing hereing with her sperate	with his separate property, and Lois A. Williams, a	James E. Williams, a married man dealing herein	separate property	Anna May Miller, a widow dealing herein with her	Royalty Owners		Russell Greathouse & Linda Greathouse				husband and wife	Herbert G. Weaver, Jr. and Anita H. Weaver,	Jerome Williams	(Company owned minerals)	SWN Production Company, LLC	William H. M. Ryan	Sean Timothy Duncan, a divorced man	Attached to and made a part of the state of west virginia on and gas Permit Form, ww-bA1, by switt Prod Brian Teslovich BRK 205H Brooke County, West Virginia
SWN Production Company, LLC	SWN Production Company, LLC	-in-	SWN Production Company, LLC		SWN Production Company, LLC	ein	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC				SWN Production Company, LLC	7		SWN Production Company, LLC	Chesapeake Appalachia, LLC	SWN Production Company, LLC	Chesapeake Appalachia, LLC	Range Resources-Appalachia, LLC		Great Lakes Energy Partners, LLC	SWN Production Company, LLC			SWN Production Company, LLC	SWN Production Company, LLC	Brian Teslovich BRK 205H Brooke County, West Virginia
18.00%	18.00%		18.00%		16.00%		16.00%	16.00%	14.00%				18.00%				18%					13%	14.00%			18.00%	16.00%	iuction company, LLC, as operator
39/479	39/473		39/467		39/455		39/449	39/443	38/723				37/112			30/480	25/127	30/480	10/552	20/733		10/149	53/368	386/387	04	57/466	49/438	
															1.10%		0%					%0	Er		1417	47	2	CEIVED ^{Oil and} Gi 0 2020 tment of Protectio

separate property	Janice Willier, single	James Diehl, single	James Branch, single	separate property	George Diehl II, married, dealing herein with his	separate property	Ray E. Lane, married, dealing herein with his	separate property	Attorney	represented herein by Margaret Miller as Power of	Nancy Stratford, f/k/a Nancy Miller, widow.	Bobbete McCormick, married, dealing herein with	withhis separate property	Daniel Branch, a married man, dealing herein	Dennis Stroh, married, dealing herein with his senarate property	in-Fact, Susanne M. Ross	separate property, represented herein by Attorney-	Robert L. Miller, Jr., married, dealing herein with his	Marjorie Cook DeShazer, a widow	dealing herein with her seperate property	single woman, Nancy Postle, a married woman,	herein with her seperate property, Dorothy Craft, a	Norma Jean Schoene, a married woman, dealing	woman, delaing herein with her seperate property,	seperate property, Beverly Clifton-Lowe, a married	Wanda Bennet, a widow, dealing herein with her	woman, dealing herein wiht her seperate property,	her sperate property, Charlene LeMastes, a married	Greathouse, a married woman, dealing herein with	dealing herein with his separate property, Linda S.	property, August Robert Alexander, a married man,	married man, dealing herein with his eperate	with his separate property, Ronnie L. Alexander, a	Donald A. Alexander, a married man, dealing herein			Brian Teslovich BRK 205H Brooke County, 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 11C	SWN Production Company, LLC			SWN Production Company, LLC	SWN Production Company, LLC																	Brian Teslovich BRK 205H Brooke County, West Virginia				
14.00%	14.00%	14.00%	14.00%	14.00%		14.00%		14.00%	14.00%		14.00%		14.00%	- 1.0070	14 00%	18.00%			14.00%	18.00%											O _f	fice	RE	ECE f O		D d Ga	טון כטווואמווא, רבר, מז סאבומוטו
42/19	41/794	41/788	41/782	41/770		41/696		41/690	41/684		41/202		40/641	111 101	40/177	40/7			39/793	39/543									Ei			11	- 2		1 00	of Ction	

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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 205H

bridit iesiov	Brian Jeslovich BRK 205H		
Laurence B. Lane, married, dealing herein with his	CIVINI DEALESTINE DAMAGES 110	11 000	ECE
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
Sherrel Novinger, f/k/a Sherrel Pierson, single	SWN Production Company, LLC	14.00%	46/483
Darrel Pierson, single	SWN Production Company, LLC	14.00%	46/495
Arjanta Scott, f/k/a Arjanta George, married, dealign			
herein with her separate property	SWN Production Company, LLC	18.00%	46/768
Jean Weaver, married, dealing herein with her			
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
Bonnie Walter	SWN Production Company, LLC	18.00%	47/48
Benjamin Price, single	SWN Production Company, LLC	18.00%	47/607
Ernest N. Palmer, a widower, dealing herein with his			
separate property	SWN Production Company, LLC	18.00%	39/461
David Drummond, single	SWN Production Company, LLC	14.00%	50/721
separate property	SWN Production Company, LLC	14.00%	50/733
locing Maria lancon fills loccing Givenne married	-		
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,	SWNI Departmention Commons. 110	4000	
Pamela Sue Amadril a divorced woman	SW/N Production Company 11C	16.00%	10/1
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

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WV Department of Environmental Protection

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		3-B36-155		Attached to a
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 ther 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	Robert W. Dally, Jr., a single man represented hereinby Clifford E. Good, as Power of Attorney Joyce H. Tomalin, represented herein by Attorney-in- Fact Beverly Miller, a widow	Royalty Owners Anna May Miller, a widow dealing herein with her separate property James E. Williams, a married man dealing herein with his separate property, and Lois A. Williams, a married woman, delaing hereing with her sperate property Marilyn Miller, a widow Joanne L. Turner, widow Joseph R. N. Miller III, a married man, dealing herein with his sperate property	Andres Glassow and Karen S. Glassow, husband and wife Sean Timothy Duncan, a divorced man William H. M. Ryan SWN Production Company, LLC (Company owned minerals) Jerome Williams	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 205H Brooke County, West Virginia
a SWN Production Company, LLC	SWN Production Company, LLC in- SWN Production Company, LLC SWN Production Company, LLC		Id SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	ia Oil and Gas Permit Form, WW-6A1, by SWN Productic Brian Teslovich BRK 205H Brooke County, West Virginia
18.00%	18.00% 18.00% 18.00%	18.00% 14.00% 16.00% 16.00%	16.00% 16.00% 18.00% 14.00%	n Company, LLC, as C
39/543	39/467 39/473 39/479	37/112 38/723 39/443 39/449 39/455	49/300 49/438 57/466 386/387 53/368	RECEIVE ce or Oil an
	_	1.10%	MA NA	Y 2020

Jean weaver, married, dealing nerein with ner separate property	herein with her separate property	Sherrel Novinger, f/k/a Sherrel Pierson, single Darrel Pierson, single Arianta Scott f/k/a Arianta George married dealign	herein with her separate porperty	Christine Herriott, f/k/a Christine George, married, dealing herein with her separate property Susan Sprouse, f/k/a Susan Givens, married, dealing	Frederick Anton Schneider, widow	Eric Price, married, dealing herein with his separate	Marjorie Miller Winhoven, married, dealing herein	Separate property Margaret Miller, single	Laurence B. Lane, married, dealing herein with his	separate property	Janice Miller, single	James Diehl, single	James Branch, single	separate property	George Diehl II, married, dealing herein with his	separate property	separate property Ray E. Lane, married, dealing herein with his	Peter Brade, married, dealing herein with his	Attorney	represented herein by Margaret Miller as Power of	her separate property Nancy Stratford, f/k/a Nancy Miller, widow,	Bobbete McCormick, married, dealing herein with	withhis separate property	Daniel Branch, a married man, dealing herein	separate property	separate property, represented herein by Attorney- in-Fact, Susanne M. Ross	Dohort I Millor in married dealing herein with his	Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, Brian Teslovich BRK 205H Brooke County, 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	SWIN Production Company, LLC		SWN Production Company, LLC	SWIN Droduction Company IIC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, IIC	SWN Production Company, LLC		ia Oil and Gas Permit Form, WW-6A1, by SWN Proc Brian Teslovich BRK 205H Brooke County, West Virginia				
18.00%	18.00%	14.00% 14.00%	14.00%	18.00%	18.00%	10.00%		14.00%	14000	14.00%	14.00%	14.00%	14.00%	14.00%		14.00%	14.00%		14.00%		14.00%		14.00%		14 00%	18.00%		
46/774	46/768	46/483 46/495	46/296	46/182	46/176	42/13		42/43		42/19	41/794	41/788	41/782	41/770		41/696	41/690		41/684		41/202		40/641		40/177	40/7 Off	F	as Operator RECEIVED of Oil and

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Marilyn Miller, a widow Joanne L. Turner, widow Joseph R. N. Miller III, a married man, dealing herein	James E. Williams, a married man dealing herein with his separate property, and Lois A. Williams, a married woman, delaing hereing with her sperate property	Anna May Miller, a widow dealing herein with her separate property	Jerome Williams	(Company owned minerals)	SWN Production Company, LLC	William H. M. Ryan	Sean Timothy Duncan, a divorced man	wife	nuspand and wire Andres Glassow and Karen S. Glassow. husband and	Mark Bryan Duncan and Cynthia Elizabeth Duncan,	and wife	Scott G. Duncan and Heather S. Duncan, husband	Pamela Sue Amadril, a divorced woman	husband and wife	Donald Geer and Dolores Ann Geer aka Dee Geer,	man	Arthur D. Stoner aka Art Dwight Stoner, a divorced	Sherri Lynn Hugic, a divorced woman	Jonathon Montgomery, single	dealing herein with her separate property	Jessica Marie Jensen, f/k/a Jessica Givens, married,	separate property	Diane Carol Givens, married, dealing herein with her	David Drummond, single	separate property	Ernest N. Palmer, a widower, dealing herein with his	Benjamin Price, single	Bonnie Walter	Lawrence S. George II, a/k/a Stephen George, married herein with his separate property	Brian Teslovich BRK 205H Brooke County, West Virginia
SWN Production Company, LLC SWN Production Company, LLC n	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC			SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	r	SWN Production Company, LLC	SWN Production Company, LLC	S	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	Brian Teslovich BRK 205H Brooke County, West Virginia
16.00% 16.00%	14.00%	18.00%	14.00%			18.00%	16.00%	16.00%	16.00%		16.00%		16.00%	16.00%		16.00%		16.00%	14.00%	14.00%		14.00%		14.00%	18.00%		18.00%	18.00%	18.00%	
39/443 39/449	38/723	37/112	53/368	386/387		57/466	49/438	49/300	49/248		49/141		49/1	48/778		48/770		48/706	50/742	50/754		50/733		50/721	39/461		47/607	47/48	47/30	
		1.10%	4 4000																							En		11/	1/ 2	Delved Dil and O 2020

separate property George Diehl II, married, dealing herein with his separate property	Peter Brade, married, dealing herein with his separate property Rav E. Lane. married. dealing herein with his	Naticy Strationa, its a Naticy Miller, whow, represented herein by Margaret Miller as Power of Attorney	Bobbete McCormick, married, dealing herein with her separate property	Daniel Branch, a married man, dealing herein withhis separate property	Dennis Stroh, married, dealing herein with his separate property	separate property, represented herein by Attorney- in-Fact, Susanne M. Ross	Marjorie Cook DeShazer, a widow Marjorie Cook DeShazer, a widow	Robert W. Dally, Jr., a single man represented hereinby Clifford E. Good, as Power of Attorney Joyce H. Tomalin, represented herein by Attorney-in- Fact Beverly 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 ther 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,	Brian Teslovich BrK 205H Brooke County, West Virginia
SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC	of SWN Production Company, LLC	h SWN Production Company, LLC		SWN Production Company, LLC	ey- SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC s. S. S. S. S. S. S. S. S. S. S. S. S. S.	Brian Teslovich BRK 205H Brooke County, West Virginia
14.00%	14.00%	14.00%	14.00%	14.00%	14.00%	18.00%	14.00%	18.00% 18.00% 18.00%	
41/696 41/770	41/690	41/684	41/202	40/641	40/177	40/7	39/793	39/467 39/473 39/479	

husband and wife Pamela Sue Amadril. a divorced woman	man Donald Geer and Dolores Ann Geer aka Dee Geer	Arthur D. Stoner aka Art Dwight Stoner, a divorced	Sharri Ivan Hugir a divarrad waman	dealing herein with her separate property	Jessica Marie Jensen, f/k/a Jessica Givens, married,	separate property	Diane Carol Givens, married, dealing herein with her	David Drummond, single	separate property	Ernest N. Palmer, a widower, dealing herein with his	Benjamin Price, single	Bonnie Walter	married herein with his separate property	Lawrence S. George II, a/k/a Stephen George,	senarate property	herein with her separate property	Arjanta Scott, f/k/a Arjanta George, married, dealigr	Darrel Pierson, single	Sherrel Novinger, f/k/a Sherrel Pierson, single	herein with her separate porperty	Susan Sprouse, f/k/a Susan Givens, married, dealing	Christine Herriott, f/k/a Christine George, married, dealing herein with her separate property	הבמבורא עווימיו סרווובומבו, אומסא	property Ecodorick Anton Sobnoidor widow	Eric Price, married, dealing nerein with his separate	withher separate property	Marjorie Miller Winhoven, married, dealing herein	Margaret Miller, single	separate property	Laurence B. Lane, married, dealing herein with his	separate property	Karen Binswanger, married, dealing herein with her	Janice Miller, single	lames Diehl single	Brian Teslo Brooke Coun
SWN Production Company, LLC SWN Production Company. LLC	SWN Production Company, LLC		SWIN Production Company 11C	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company 110	SWN Production Company, LLC	-	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	•	SWN Production Company, LLC	SWN Production Company 11C	Brian Teslovich BRK 205H Brooke County, West Virginia
16.00%	16.00%	10.00/8	14.00%	14.00%		14.00%		14.00%	18.00%		18.00%	18.00%	18.00%	10.0074	10 00%	18.00%		14.00%	14.00%	14.00%		18.00%	10.00%	18.00%	2000	18.00%		14.00%	14.00%		14.00%		14.00%	14 00%	
48/778	48/770	46/ / 00	30/702	50/754		50/733		50/721	39/461		47/607	47/48	47/30	+///+	15/771	46/768		46/495	46/483	46/296		46/182	0/1/04	46/186		42/73		42/67	42/43		42/19		41/794	11/788	

Office of Oil and Gas MAY 20 2020 Environmental Proversion

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,	Anthony A. izzo, married, dealing herein with his separate property Albert O. izzo, married, dealing herein with his separate property	Harriet Mozingo Cummings with her separate property Joseph Izzo, single	with his separate property Thomas Allan Robinson, single	Sussan Kelly Vollbrecht, m her separate property	John Steven Robinson, ma his separate property	Alice Mozingo Clifton, widow	Virginia L. Ewing, a single woman	Fresh Oil Ministries	Thomas Otis Brown, a married man dealing in his sole and separate property	מווע פרעטומיה עולערויץ	Clarence Mozingo, a marr		3-B36-57 Robert L. Mozingo and Be	SWN Production Company, LLC (Company owned minerals) Jerome Williams	William H. M. Ryan	Sean Timothy Duncan, a divorced man	wife	husband and wife Andres Glassow and Karei	Scott G. Duncan and Heather S. Duncan, husband and wife Mark Bryan Duncan and Cynthia Elizabeth Duncan,	
aling herein with his oris Keating, married,	dealing nerein with his ealing herein with his	Harriet Mozingo Cummings, married, dealing nerein with her separate property Joseph Izzo, single	ingle	narried, dealing herein wit	John Steven Robinson, married, dealing herein with his separate property	dow	woman		rried man dealing in his ty		Clarence Mozingo, a married man dealing in his sole and senarate property		Robert L. Mozingo and Betty Lou Mozingo, husband	y, LLC Is)		livorced man		husband and wife Andres Glassow and Karen S. Glassow, husband and	her S. Duncan, husband Lynthia Elizabeth Duncan,	Brian Teslov Brooke Count
SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC SWN Production Company, LLC	SWN Production Company, LLC	Sussan Kelly Vollbrecht, married, dealing nerein with SWN Production Company, LLC her separate property	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company LLC	Chesapeake Appalachia, LLC	SWN Production Company, LLC		SWN Production Company, LLC	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	Brian Teslovich BRK 205H Brooke County, West Virginia
18% 18% 18%	18% 18%	18%	18%	18%	18%	18%	18%	16%	18%		18%		18%	14.00%	18.00%	16.00%	16.00%	16.00%	16.00%	
40/111 40/183	40/97 40/104	40/13 40/90	39/558 39/785	39/550	39/529	39/522	39/491	03/05 877/TS	30/318	31/228	29/607	31/228	29/455	386/387 53/368	57/466	49/438	49/300	49/248	49/141	

Rrian Teclovich RRK 205H	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
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Brian Teslovich BRK 205H

42/634 46/290 39/515	10/0		· · · · · ·
42/634 46/290	18%	SWN Production Company, LLC	Shirley Ann Dunn Wheeler, a widow
42/634			with his separate property
	18%	SWN Production Company, LLC	Joan Giannini, by her attorney in fact Lisa Giannini Harold Rex Strawn, a married man. dealing herein
	18%	SWN Production Company, LLC	
41/732	TO/0		his separate property
41/238	4 00/		his separate property
	18%	SWN Production Company, LLC	Donald Dalton, a married man, dealing herein with
41/232	-070		her separate property
59/40/	18%	SWN Production Company, LLC	Every in Fasco, a whore Diana Smyth. a married woman. dealing herein with
38/4/	4.00		Fireford And Andrew Property
	18%	SWN Production Company, LLC	Virginia C. Michael, a married woman, dealing
45/736			his separate property
	18%	SWN Production Company, LLC	John W. Johnson, Jr., married, dealing herein with
45/742			separate property
	18%	SWN Production Company, LLC	Carolyn J. Johnson, married, dealing herein with her
47/410			separate property
	18%	SWN Production Company, LLC	Bruce Anderson, married, dealing herein with his
43/166	18%	SWN Production Company, LLC	Gail Noah, single
42/640			separate property
	18%	SWN Production Company, LLC	Richard Keating, married, dealing herein with his
42/497	18%	SWN Production Company, LLC	Ashley Anderson, single
42/290		-	dealing herein with her separate property
	18%	SWN Production Company, LLC	Paula Seckman, f/k/a (Paula Keating, married,
42/483			with his separate property
	18%	SWN Production Company, LLC	William Willard Keating, married, dealing herein
42/329			dealing herein with her separate property
			Debra Jean Dawson f/k/a Debra Robinson, married,
	18%	SWN Production Company, LLC	
42/317	0/0T		separate property
	100/	CIAINI Droduction Company 11C	my Kasting married dealing herein with his
42/37	18%	SWN Production Company, LLC	Kevin Noah, single
41/751			with her separate property
	18%	SWN Production Company, LLC	Jill Hoover, f/k/a Jill Keating, married, dealing herein
41/744			her separate property
 Or	18%	SWN Production Company, LLC	Jacqueline B. Johnson, married, deailng herein with
41/702	1079		separate property
PE(18%	SWN Production Company. LLC	Robert E. Noah. married. dealing herein with his
		Brooke County, West Virginia	Brooke Count
		Brian Teslovich BRK 205H	Brian Teslovich BRK 205H

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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 205H Brooke County, West Virginia

	1 40/	CWNI Draduction Company IIC	Dorothy Dean wildow
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			a widowed woman
	18%	SWN Production Company, LLC	Katherine A. Kemper, aka Katherine Benzo Kemper,
41/226			separate property
	18%	SWN Production Company, LLC	Cindy L. Rasmussen, dealing herein with her
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
41/184	18%	SWN Production Company, LLC	Barbara Parrish, widow
40/159			herein with her separate property
	18%	SWN Production Company, LLC	Kimberly R. Jackson, a married woman, dealing
40/147			in fact, Dennis J. Wheeler
			single woman, represented herein by her attorney
		-	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			separate property
	18%	SWN Production Company, LLC	Craig Dunn, a married man, deaing herein with his
40/60	18%	SWN Production Company, LLC	Angela Anderson, divorced
40/48			separate property
	18%	SWN Production Company, LLC	Bruce Dunn, a married man, dealing herein with his
39/779			her separate property
			-

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	3-B36-70						
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	Robert L. Mozingo and Betty Lou Mozingo, husband and wife	woman, dealing in her separate property Joseph Janeshek, a married man	Chauncey T. Hail, a married man, dealing herein wih SWN Production Company, LLC his separate property SWN Production Company, LLC Mary Catherine Janeshek Croce, single SWN Production Company, LLC SWN Production Company, LLC Alice Yvonne Janeshek Mieczkowski, a married	Susan Shamp, married, dealing herein with her SWN Production Company, LLC separate property Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC her separate property Kevin Sarlo, married, dealing herein with his SWN Production Company, LLC separate property	Jeboran McGrath, 17K/a Jeboran 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	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	Brooke Count Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a married woman, dealing herein with her separate property
	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 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	SWN Production Company, LLC SWN Production Company, LLC SWN Production Company, LLC	Brooke County, West Virginia Piccirillo, a SWN Production Company, LLC er separate
18% 18% <u>16%</u> 18% 18%	18%	14%	14% 14% 14%	14% 14% 14%	14% 14% 14% 14%	14% 14% 14%	14%
29/607 31/228 30/318 31/228 39/69 39/491 39/522	29/455 31/228	40/26 40/32	39/297 40/20	40/171 42/61 42/477	39/762 40/129 40/135 40/141 40/165	39/425 39/431	RECEIVED

<u>?'eetion</u>

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
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WW Department of Environmental Protection

	Brooke County, West Virginia		
Sussan Kelly Vollbrecht, married, dealing herein with SWN Production Company, LLC	WN Production Company, LLC	18%	AEC of C
her separate property			39/550
James Michael Robinson, married, dealing herein Si	SWN Production Company, LLC	18%	20/650
nøle	SW/N Production Company 11C	18%	30/285
arried, deaing herein	SWN Production Company, LLC	18%	
with her separate property			40/13
Joseph Izzo, single S	SWN Production Company, LLC	18%	40/90
Anthony A. Izzo, married, dealing herein with his Signarate property	SWN Production Company, LLC	18%	70/07
mind donling homin with his	WM Desidentian Operation 110	100/	10101
Separate property	SWN Production Company, LLC	%8T	40/104
Kathy Ziklo f/k/a Kathleen Izzo, widow	SWN Production Company, LLC	18%	40/111
Jack Keating, married, dealing herein with his Sister are senarate property	SWN Production Company, LLC	18%	40/183
	SWN Production Company, LLC	18%	
dealing herein with her separate property			40/190
ith his	SWN Production Company, LLC	18%	41/700
son, married, deailng herein with	SWN Production Company, LLC	18%	
			41/744
Jill Hoover, f/k/a Jill Keating, married, dealing herein SWN Production Company, LLC with her senarate property	WN Production Company, LLC	18%	41/751
	SWN Production Company, LLC	18%	42/37
Larry Keating, married, dealing herein with his S separate property	SWN Production Company, LLC	18%	42/317
n f/k/a Debra Robinson, married,	SWN Production Company, LLC	18%	
			42/329
William Willard Keating, married, dealing herein S with his separate property	SWN Production Company, LLC	18%	42/483
a Keating, married, parate property	SWN Production Company, LLC	18%	42/290
	SWN Production Company, LLC	18%	42/497
Richard Keating, married, dealing herein with his S separate property	SWN Production Company, LLC	18%	42/640
Gail Noah, single S	SWN Production Company, LLC	18%	43/166
Bruce Anderson, married, dealing herein with his S separate property	SWN Production Company, LLC	18%	47/410
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Borner, West Virginia arried, dealing herein with SWN Production Company, LLC 18% arried woman, dealing herein with SWN Production Company, LLC 18% ed man, dealing herein with SWN Production Company, LLC 18% ed man, dealing herein with SWN Production Company, LLC 18% ed man, dealing herein with SWN Production Company, LLC 18% erny SWN Production Company, LLC 18% erry SWN Production Company, LLC 18% man, dealing herein with SWN Production Company, LLC 18% erry SWN Production Company, LLC 18% erry SWN Production Company, LLC 18% anartied woman, dealing herein with his SWN Production Company, LLC 18% awoman, dealing herein with SWN Production Company,	Attached band made a part of the State of West Virginia Enan Tesion, WW-6A1, by SWN Production Company, LLC, as Operator generative segments properly. Image a part of the State of West Virginia Image a part of the State of West Virginia Image a part of the State of West Virginia Image a part of the State of West Virginia Image a part of Virsi	EXHIBIT A relowich BRK 205H County, West Virginia SWN Production Company, LLC With SWN Production Company, LLC Inini SWN Production Company, LLC SWN Production Company, LLC IB% SWN Production Company, LLC IB% <tr< th=""><th>41/776</th><th>18%</th><th></th><th>Gerald McClain, a married man, dealing herein with his separate property</th></tr<>	41/776	18%		Gerald McClain, a married man, dealing herein with his separate property
County, West Virginia SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% with SWN Production Company, LLC 18% swin Production Company, LLC 18% 18% with SWN Production Company, LLC 18% swin Production Company, LLC 18% 18% swin Swin Production Company, LLC 18% 18%	Attached band made a part of the State of VKS Viginia Erian Testion, WW-64J, by SWN Production Company, LLC, as Operator Brance and State State of VKS Viginia Erian Testion, WKS, SKI, SKI, SKI, SKI, SKI, SKI, SKI, S	EXHIBIT A EXHIBIT A <t< td=""><td>41/672</td><td>18%</td><td>SWN Production Company, LLC</td><td>Megan McClain, single</td></t<>	41/672	18%	SWN Production Company, LLC	Megan McClain, single
County, West Virginia SWN Production Company, LLC SWN Production Company, LLC Nith SWN Production Company, LLC Ing	Attached to and made a part of the State of West Virginia Biolan Tesioution Bott Zourn, Wes 41, by SWN Production Company, LLC Sign Tesioution Company, LLC	EXHIBIT A EXHIBIT A EXHIBIT A EXHIBIT A Exhibit Separate property Exhibit Separate property Exhibit Separate property 18% Software <	41/244	18%	SWN Production Company, LLC	Donald Martin, a married man, dealing herein with his separate property
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% rein SWN Production Company, LLC 18% with SWN Production Company, LLC 18% swin Production Company, LLC 18% <	Attached to and made a part of the State of West Virginia Biolan Teadou Benz Colsmit, West Virginia Brocke County, West Virginia Encode County, West Virginia Encode County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 13% 4/128 Nerse separate property Nin Production Company, LLC 13% 3/140 Nerse separate property Diana Smyth, a married man, dealing herein with SWN Production Company, LLC 13% 4/122 Diana Sinty, a married man, dealing herein with SWN Production Company, LLC 13% 4/123 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 13% 4/123 Jaan Giannin, by her attorney in fact Lisis Giannin SWN Production Company, LLC 13% 4/123 Jaan Giannin, by her attorney in fact Lisis Giannin SWN Production Company, LLC 13% 4/123 Jaan Giannin, by her attorney in fact Lisis Giannin SWN Production Company, LLC 13% 4/123 Jaan Giannin, by narried man, dealing herein with SWN Production Company, LLC 13% 4/123 4/123 Swite Production Company, LLC 13% 39/51	EYHIET A Brian Teacoich BER 205H Brian Teacoich BER 205H Brooke County, West Virginia EYHIET A Brooke County, West Virginia Originia C. Michael, a married woman, dealing herein with Separate property SWN Production Company, LLC 13% 42/136 Dian X. Johns, J., married, dealing herein with Its separate property SWN Production Company, LLC 13% 39/407 Dian S. Tmyth, a married woman, dealing herein with Its separate property SWN Production Company, LLC 13% 41/132 Donn W. Johns, J. Amaried, man, dealing herein with Its separate property SWN Production Company, LLC 13% 41/132 Donn Glank, an married man, dealing herein with Its separate property SWN Production Company, LLC 13% 41/132 John W. Johns, a married man, dealing herein with Its separate property SWN Production Company, LLC 13% 41/132 John W. Beder, a mined man, dealing herein with Its separate property SWN Production Company, LLC 13% 41/132 John W. Beder, a married man, dealing herein with Its separate property 13% 41/132 41/132 John San Morried SWN Production Company, LLC 13% 41/132 John San John San Morried SWN Production Company, LLC 13%	41/208			with her separate property
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County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% with SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% with SWN Production Company, LLC 18% swin Production Company, LLC 18%	Bits protection Simulation of the Safe of West Yurginia Oil and Gas. Pennt: Form, WW-AJL, by SWN Production Company, LLC, as Operatory LLC, as Operatory Vest Yurginia Second Se	Attached to and made a part of the State of West Virginia OI and Gas Pennti Fern, Bitan Tesiouch BRX 205H EVEN Production Company, LLC 38% 45736 Bits Separate property Nin Freduction Company, LLC 38% 39407 Nis separate property SWN Production Company, LLC 38% 39407 Diana Smyth, a married man, dealing herein with separate property SWN Production Company, LLC 38% 39407 Diana Smyth, a married man, dealing herein with separate property SWN Production Company, LLC 38% 41/232 Diana Sinyth, a married man, dealing herein with separate property SWN Production Company, LLC 38% 41/232 Jaan Giannii, by her attorney in fact Lisa Giannii SWN Production Company, LLC 38% 42/34 Harold Rex Strawn, a married man, dealing herein with separate property SWN Production Company, LLC 38% 42/34 Harold Rex Strawn, a married man, dealing herein with separate property SWN Production Company, LLC 38% 42/34 Harold Rex Strawn, a married man, dealing herein with separate property SWN Production Company, LLC 38% 42/34 Grap Dunn, married man, dealing herein with his SWN Production Company, LLC 38% 40/43	41/190	0/0T		her separate property
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county, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% rein SWN Production Company, LLC 18% swith SWN Production Company, LLC </td <td>Attached to and made a part of the State of West Virginia Cli and Gas Pernit Form, Ww-GA1, by SWN Production Company, LLC, as Operator property Image: County, West Virginia SWN Production Company, LLC SWN Production C</td> <td>CHIBIT A Bian Teslowich BRX 20SH Bian Teslowich BRX 20SH Nis separate property 13% 45/785 John W. Johnson, Jr., married, dealing herein with bis separate property Diana Smyth, a married woman, dealing herein with separate property SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Donald Dalton, a married man, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Jona Glanini, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18% 41/232 Joan Glanini, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18% 42/34 Harold Res XRaw, a married man, dealing herein with Superate property SWN Production Company, LLC 18% 42/34 Nuth Elane Rogeson, a married man, dealing herein with SWN Production Company, LLC 18% 42/34 Superate property SWN Production Company, LLC 18% 42/34 Glan Lis Station, a married man, dealing herein with SWN Production Company, LLC 18% 40/48</td> <td>10/100</td> <td>18%</td> <td>SWN Production Company, LLC</td> <td>Kimberly R. Jackson, a married woman, dealing</td>	Attached to and made a part of the State of West Virginia Cli and Gas Pernit Form, Ww-GA1, by SWN Production Company, LLC, as Operator property Image: County, West Virginia SWN Production Company, LLC SWN Production C	CHIBIT A Bian Teslowich BRX 20SH Bian Teslowich BRX 20SH Nis separate property 13% 45/785 John W. Johnson, Jr., married, dealing herein with bis separate property Diana Smyth, a married woman, dealing herein with separate property SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Donald Dalton, a married man, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Jona Glanini, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18% 41/232 Joan Glanini, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18% 42/34 Harold Res XRaw, a married man, dealing herein with Superate property SWN Production Company, LLC 18% 42/34 Nuth Elane Rogeson, a married man, dealing herein with SWN Production Company, LLC 18% 42/34 Superate property SWN Production Company, LLC 18% 42/34 Glan Lis Station, a married man, dealing herein with SWN Production Company, LLC 18% 40/48	10/100	18%	SWN Production Company, LLC	Kimberly R. Jackson, a married woman, dealing
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County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% with SWN Production Company, LLC 18% swith SWN Production Company, LLC	Attached to and made a part of the State of West Virginia CII and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brooke County, Vest Virginia SWN Production Company, LLC 13% 45/736 John W. Johnson, Jr., married, dealing herein with separate property SWN Production Company, LLC 13% 45/736 Virginia C. Michel, a married woman, dealing herein with separate property SWN Production Company, LLC 13% 39/47 Diana Smyth, a married man, dealing herein with separate property SWN Production Company, LLC 13% 41/232 Donald Daton, a married man, dealing herein with separate property SWN Production Company, LLC 13% 41/232 Jonn Giannini, by her attorney in fact Lisa Giannini with his separate property SWN Production Company, LLC 13% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini with his separate property SWN Production Company, LLC 13% 42/534 Striey Ann Dunn Wheeler, a widow SWN Production Company, LLC 13% 42/532 Striey Ann Joun, a married man, dealing herein with separate property 13% 42/534 42/534 Ruth Elaine Rogerson, a married woma, dealing herein with separate property 13% 42/534 42/534 Ruth Elaine Ro	EXHIBIT A EXHIBIT A Brian Testovich Brein, WW-6A1, by SMN Production Company, LLC, as Operator Brian Testovich Brein Virginia Brian Testovich Brein Virginia Addition of the State of West Virginia Cli and Spennit Form, WW-6A1, by SMN Production Company, LLC his separate property Image: SMN Production Company, LLC 18% 45/785/ 18% Ohn W. Johnson, Jr., married, dealing herein with separate property SMN Production Company, LLC 18% 43/47 Conside Dalton, a married man, dealing herein with separate property SMN Production Company, LLC 18% 41/232 Tomas Gark, a married man, dealing herein with separate property SMN Production Company, LLC 18% 41/232 Informa Santa Property SMN Production Company, LLC 18% 41/232 Informa Santa Property SMN Production Company, LLC 18% 41/232 Informa Santa Property SMN Production Company, LLC 18% 42/534 Harold Res Stande property				single woman, represented herein by her attorney
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% with SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% swith SWN Production Company, LLC	Attached to and made a part of the State of West Virginia Ol and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brain Testovich BRX 205H East Testovich BRX 205H John W. Johnson, Jr., married, dealing herein with Is separate property SWN Production Company, LLC 18% 45/736 Virginia SWN Production Company, LLC 18% 45/736 Virginia SWN Production Company, LLC 18% 39/407 Diana Smyth, a married woman, dealing herein with Is separate property SWN Production Company, LLC 18% 39/407 Dianal Datton, a married man, dealing herein with Is separate property SWN Production Company, LLC 18% 41/232 John Si Cark, a married man, dealing herein with Is separate property SWN Production Company, LLC 18% 41/232 John Glannin, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18% 42/53 John Bis separate property SWN Production Company, LLC 18% 42/53 John Simin, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18% 42/53 John Sim Rogerson, a married man, dealing herein with SWN Production Company, LLC 18% 42/53 Rute Herein with Reservoid (Woman,	EXHIBIT A Attached to and made a part of the State of West Virginia Cli and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRX 205H. SWN Production Company, LLC 13% 45/736 John W. Johnson, Jr., married, dealing herein with separate property SWN Production Company, LLC 13% 45/736 Virginia C. Michael, a married woman, dealing herein with separate property SWN Production Company, LLC 13% 39/407 Dinaid Daton, a married man, dealing herein with separate property SWN Production Company, LLC 13% 41/232 Donald Daton, a married man, dealing herein with is separate property SWN Production Company, LLC 13% 41/232 Jan Giannini, by her attorney in fact Lisa Giannini with his separate property SWN Production Company, LLC 13% 41/232 Jan Giannini, by her attorney in fact Lisa Giannini with his separate property SWN Production Company, LLC 13% 42/534 Swith Flaine Nogeson, a married man, dealing herein with separate property SWN Production Company, LLC 13% 42/534 Swith Flaine Nogeson, a married woma, dealing herein with separate property SWN Production Company, LLC 13% 42/534 Areein with eseparate property SWN Production Comp		18%		Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a
county, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% n with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% with SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% with SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% with SWN Production Company, LLC	Attached to and made a part of the State of West Virginia Ol and Gase Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Beina Tresolvich Brix ZOSH Beina Tresolvich Brix ZOSH Nis separate property SWN Production Company, LLC 18% 45/736 Virginia SWN Production Company, LLC 18% 45/736 Virginia SWN Production Company, LLC 18% 45/736 Virginia Michael, a married woman, dealing herein with SWN Production Company, LLC 18% 39/47 Derind Datron, a married woman, dealing herein with SWN Production Company, LLC 18% 41/32 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/32 Joan Glannini, by her attorney in fact Usa Glannini SWN Production Company, LLC 18% 41/32 Harold Rex Strawn, a married man, dealing herein with SWN Production Company, LLC 18% 42/634 Harold Rex Strawn, a married man, dealing herein with SWN Production Company, LLC 18% 42/634 Harold Rex Strawn, a married man, dealing herein with SWN Production Company, LLC 18% 42/634 Nut His separate property SWN Production Company, LLC 18%	EXHIBIT A EXHIBIT A CHIBIT A Brain Teslovich BK 202H Brain Teslovich BK 202H Brain Teslovich BK 202H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% SWN Production Company, LLC 18% 33/47 Evelyn Pasco, a widow SWN Production Company, LLC 18% 33/407 Dinaid Daton, a married man, dealing herein with SWN Production Company, LLC 18% 33/407 Dinaid Daton, a married man, dealing herein with SWN Production Company, LLC 18% 33/407 Donaid Daton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Donaid Gamnini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Dineir Gaeson, a married man, dealing herein SWN Production Company, LLC <th< td=""><td>40/84</td><td>18%</td><td>SWN Production Company, LLC</td><td>Sara Stafford, a widow</td></th<>	40/84	18%	SWN Production Company, LLC	Sara Stafford, a widow
county, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% rein SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% with SWN Production Company, LLC	Attached to and made a part of the State of West Virginia () and Gas Pennt Form, Wu-GA1, by SWN Production Company, LLC, as Operator Brooke County, West Virginia Encide County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% 45/736 Virginia Wirginia ####################################	Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, NW-6A1, by SWN Production Company, LLC, as Operator Bian Tesufovic BRK 205H Brooke Country, West Virginia 18% 6 John W. Johnson, Jr., married, dealing herein with Is separate property SWN Production Company, LLC 18% 45/736 Virginia C. Michael, a married woman, dealing herein with Is separate property SWN Production Company, LLC 18% 45/736 Virginia C. Michael, a married woman, dealing herein with Is separate property SWN Production Company, LLC 18% 39/407 Donald Daton, a married man, dealing herein with Is separate property SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with Is separate property SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 42/534 Harold Rex Strawn, a married moman, dealing herein with Is separate property SWN Production Company, LLC 18% 42/534 With Fils separate property SWN Production Company, LLC 18% 42/534 Harold Rex Strawn, a married man, dealing herein with Is separate property SWN Production Company, LLC 18% 42/534 Nerie In With Rex Sep	40/66			separate property
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swn Production Company, LLC 18% swn Production Company, LLC 18% rein SWN Production Company, LLC 18% swn Production Company, LLC 18% with SWN Production Company, LLC 18% swn Production Company, LLC 18% 18% with SWN Production Company, LLC 18% swn Production Company, LLC 18% 18% swn Production Compan	Attached to and made a part of the State of West Virginia Oil and Gas Pennt Form, WW-6A1, by SWN Production Company, LLC, as Operator Brook County, West Virginia Gene County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% 45/736 Virginia C. Michael, a married woman, dealing herein with SWN Production Company, LLC 18% 45/736 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Disseparate property Dana Gianni, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 42/634 Ruth Elaine Rogerson, a married man, 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 Brooker County, West Virginia 1000000000000000000000000000000000000		18%	SWN Production Company, LLC	Craig Dunn, a married man, deaing herein with his
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% with SWN Production Company, LLC 18%	Attached to and made a part of the State of West Virginia Oil and Gas Pennt Form, WW-6A1, by SWN Production Company, LLC, as Operator Brook County, West Virginia Caling herein with Brooke County, West Virginia Caling herein with separate property Nirginia C. Michael, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Donaid Datton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married man, dealing herein SWN Production Company, LLC 18% 41/232 Tomas Clark, a married man, dealing herein SWN Production Company, LLC 18% 41/232 Tomas Clark, a married woman, dealing herein SWN Production Company, LLC 18% 41/232 Tomas Clark, a married woman, dealing herein with SWN Production Company, LLC 18% 41/232 Swn Production Company, LLC 18% 41/232 Tomas Clark, a married woman, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married woman, dealing herein with SWN Production Company, LLC 18% 41/232 Swn Production Company, LLC 18% 41/232 Tomas Clark, a married woman, dealing herein with SWN Production Company, LLC 18% 41/232 Tomas Clark, a married woman, dealing herein with SWN Production Company, LLC 18% 41/232 Swn Production Company, LLC 18% 41/232 Swn Production C	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 Disorder Dis	40/60	18%	SWN Production Company, LLC	Angela Anderson, divorced
county, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% with SWN Production Company, LLC 18%	Attached to and made a part of the State of West Virginia Cill and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brion Teslovich BRX 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with separate property SWN Production Company, LLC 13% Virginia C. Nichael, a married woman, dealing herein with separate property SWN Production Company, LLC 13% Diana Smyth, a married woman, dealing herein with swn Production Company, LLC 13% 38/47 Diana Smyth, a married man, dealing herein with swn Production Company, LLC 13% 38/47 Thomas Clark, a married man, dealing herein with swn Production Company, LLC 13% 41/232 Donald Dalton, a married man, dealing herein with swn Production Company, LLC 13% 41/232 Thomas Clark, a married man, dealing herein with swn Production Company, LLC 13% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini Swn Production Company, LLC 13% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini Swn Production Company, LLC 13% 42/634 Harold Rex Strawn, a married man, dealing herein SWN Production Company, LLC 13% 42/634 Harold Rex Strawn, a married woman, dealing herein SWN Production Company, LLC 13% 39/515 Ru	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 BK 2054 Marine of County, West Virginia Marine of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC Image: SWN Production Company, LLC Donald Dalton, a married woman, dealing herein with SWN Production Company, LLC Image: SWN Production Comp	40/48	18%	SWN Production Company, LLC	Bruce Dunn, a married man, dealing herein with his separate property
county, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18%	Attached to and made a part of the State of West Virginia Cil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BKR 205H Image: County, West Virginia Binan Teslovich BKR 205H Brooke County, West Virginia Image: County, West Virginia John W. Johnson, Jr., married, dealing herein with separate property SWN Production Company, LLC 13% herein with her separate property SWN Production Company, LLC 13% 39/407 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 13% 39/407 Diana Smyth, a married man, dealing herein with SWN Production Company, LLC 13% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 13% 41/238 his separate property SWN Production Company, LLC 13% 41/238 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 13% 41/238 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 13% 41/239 Maride Rogerson, a married woman, dealing herein SWN Production Company, LLC 13% 41/239 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 13% 42/634 Harold Res Strawn, a married woman, d	EXHIBIT A Attached to and made a part of the State of West Virginia Cil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRK 20SH Brian Teslovich BRK 20SH Brian Teslovich BRK 20SH Brooke County, West Virginia 18% John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% his separate property SWN Production Company, LLC 18% 38/47 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Donald Dalton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Joan Glannini, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18% 41/232 Joan Glannini, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18% 42/634 Harold Rex Strawn, a married woman, dealing herein SWN Production Company, LLC 18% 42/232 Joan Glannini, by her attorney in fact Lisa Glannini SWN Production Company, LLC 18%	39/779			her separate property
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18%	Attached to and made a part of the State of West Virginia OII and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operator Brooke County, West Virginia Brian Teslovich BK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% 45/736 Nirginia C. Michael, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Inseparate property SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 42/634 Haroid Rex Strawn, a married man, dealing herein SWN Pr	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 205H Brian Teslovich BRK 205H Brooke County, West Virginia 18% John W. Johnson, Jr., married, dealing herein with separate property SWN Production Company, LLC 18% Nirginia C. Michael, a married woman, dealing breein with separate property SWN Production Company, LLC 18% 39/407 Diana Smyth, a married monan, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Donald Dalton, a married man, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Jaried woman, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Jaried Wann, dealing herein with separate property SWN Production Company, LLC 18% 42/634 Mat		18%	SWN Production Company, LLC	Karen Kim, a married woman, dealing herein with
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% n with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18%	Attached to and made a part of the State of West Virginia Oli and Gas Permit Porm, WW-6A1, by SWN Production Company, LLC, as Operator Brian Teslovich BRK 205H Brian Teslovich BRK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% Nirginia C. Michael, a married woman, dealing SWN Production Company, LLC 18% Merein with her separate property SWN Production Company, LLC 18% Evelyn Pasco, a widow SWN Production Company, LLC 18% Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Donald Daton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 42/634 Harold Rex Strawn, a married man, dealing herein SWN Production Company, LLC 18% 42/634 Harold Rex Strawn, a married man, dealing herein SWN Production Company, LLC	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 Teslowich BKR 20SH Brian Teslowich BKR 20SH Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC his separate property 18% Virginia C. Michael, a married woman, dealing herein with SWN Production Company, LLC 18% Dana Smyth, a married moman, dealing herein with SWN Production Company, LLC 18% 39/407 Donaid Daton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Inseparate property 18% 41/232 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Harold Rex Strawn, a married man, dealing herein SWN Production Company, LLC 18% 42/634 Harold Rex Strawn, a married man, dealing herein SWN Production Compa	39/584			herein with her separate property
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% n with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% SWN Production Company, LLC 18% swith SWN Production Company, LLC 18%	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 BK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with his separate property SWN Production Company, LLC 18% Virginia C. Michael, a married woman, dealing herein with resparate property SWN Production Company, LLC 18% Diana Smyth, a married woman, dealing herein with separate property SWN Production Company, LLC 18% Diana Smyth, a married man, dealing herein with separate property SWN Production Company, LLC 18% Diana Smyth, a married man, dealing herein with separate property Michael, a married man, dealing herein with his separate property 118% 41/232 Thomas Clark, a married man, dealing herein with separate property SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 42/634 Harold Res Strawn, a married man, dealing herein SWN Production Company, LLC 18% 42/634 Harold Res Strawn, a married man, dealing herein SWN Production Company, LLC 18% 42/634 Harold Res for poperty <td>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 205H Brian Teslovich BRK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC Is separate property Virginia C. Michael, a married woman, dealing herein with SWN Production Company, LLC Anerein with her separate property SWN Production Company, LLC IS SWN Production Company, LLC</td> <td></td> <td>18%</td> <td>SWN Production Company, LLC</td> <td>Ruth Elaine Rogerson, a married woman, dealing</td>	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 205H Brian Teslovich BRK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC Is separate property Virginia C. Michael, a married woman, dealing herein with SWN Production Company, LLC Anerein with her separate property SWN Production Company, LLC IS SWN Production Company, LLC		18%	SWN Production Company, LLC	Ruth Elaine Rogerson, a married woman, dealing
county, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% sWN Production Company, LLC 18% with SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% mini SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% swith SWN Production Company, LLC 18% swith SWN Production Company, LLC 18%	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 Brooke County, West Virginia Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with his separate property SWN Production Company, LLC 18% Virginia C. Michael, a married woman, dealing herein with her separate property SWN Production Company, LLC 18% 38/47 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% 39/407 Donald Dalton, a married man, dealing herein with his separate property SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with his separate property SWN Production Company, LLC 18% 41/232 Mis separate property SWN Production Company, LLC 18% 41/232 Mis separate property SWN Production Company, LLC 18% 41/232 Mis separate property SWN Production Company, LLC 18% 41/232 Mis separate property SWN Production Company, LLC 18% 41/232 Maried Rax Strawn, a married man, dealing herein with Harold Rax Strawn, a married man, dealing herein SWN Production Compa	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 205H Brian Teslovich BRK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% 45/736 Virginia C. Michael, a married woman, dealing herein with separate property SWN Production Company, LLC 18% 38/47 Evelyn Pasco, a widow SWN Production Company, LLC 18% 39/407 Diana Smyth, a married moman, dealing herein with SWN Production Company, LLC 18% 41/232 Donald Daton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Inis separate property SWN Production Company, LLC 18% 41/232 Inis separate property SWN Production Company, LLC 18% 41/232 Inis separate property SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/232 Joan Giannin	39/515	18%	SWN Production Company, LLC	Shirley Ann Dunn Wheeler, a widow
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% n with SWN Production Company, LLC 18% Mith SWN Production Company, LLC 18% SWN Production Company, LLC 18% Nihi SWN Production Company, LLC 18%	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 205H Brooke County, West Virginia Brooke County, West Virginia Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% his separate property For property 45/736 Virginia C. Michael, a married woman, dealing SWN Production Company, LLC 18% Evelyn Pasco, a widow SWN Production Company, LLC 18% Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% her separate property SWN Production Company, LLC 18% 41/232 Donald Daton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 his separate property 41/232 41/232 41/232 his separate property SWN Production Company, LLC 18% 41/232 his separate property SWN Production Company, LLC 18% 41/232 his separate property SWN Production Company, LLC 18% 41/232 his separate property SWN Production Company, LLC 18% 41/232 Joan Gi	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 Bran Teslovich BRK 205H Bran Teslovich BRK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% Niginia C. Michael, a married woman, dealing herein with her separate property SWN Production Company, LLC 18% 45/736 Virginia C. Michael, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married moman, dealing herein with SWN Production Company, LLC 18% 41/232 Donald Dalton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 Joan Giannini, by her attorney in fact Lisa Giannini SWN Production Company, LLC 18% 41/732 Joan Gi	46/290	₩8T	SWIN FLOQUCTION COMPANY, LEC	with his separate property
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% n with SWN Production Company, LLC 18%	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 205H Brooke County, West Virginia Brooke County, West Virginia Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with his separate property SWN Production Company, LLC 18% Nirginia C. Michael, a married woman, dealing herein with her separate property SWN Production Company, LLC 18% 45/736 Diana Smyth, a married woman, dealing herein with swn Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with swn Production Company, LLC 18% 39/407 her separate property Swn Production Company, LLC 18% 41/232 Donald Dalton, a married man, dealing herein with separate property Swn Production Company, LLC 18% 41/232 his separate property 18% 41/232 41/232 41/232 his separate property 18% 41/232 41/232 41/232 his separate property 18% 41/238 41/232 41/238 41/238 41/238 41/238 41/238 41/238 41/238 41/238 41/238 41/238 41/238 41/238 41/238	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 205H Image: Company Company, LLC Image: Compa	42/634	400/	SWN Doditation Company IIC	Joan Giannini, by her attorney in fact Lisa Giannini
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% Nwith SWN Production Company, LLC 18% with SWN Production Company, LLC 18%	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 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with his separate property SWN Production Company, LLC 18% Virginia C. Michael, a married woman, dealing herein with her separate property SWN Production Company, LLC 18% Virginia C. Michael, a married woman, dealing herein with her separate property SWN Production Company, LLC 18% Diana Smyth, a married woman, dealing herein with his separate property SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with his separate property SWN Production Company, LLC 18% 41/232 Mis separate property 18% 41/238 41/238 Thomas Clark, a married man, dealing herein with his separate property SWN Production Company, LLC 18% Mis separate property 18% 41/238	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 205H Brian Teslovich BRK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with separate property SWN Production Company, LLC 18% Virginia C. Michael, a married woman, dealing herein with her separate property SWN Production Company, LLC 18% Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 Diana Smyth, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 his separate property SWN Production Company, LLC 18% 41/232 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18% 41/238 his separate property 18% 41/238 41/238 his separate property 18% 41/238 41/238 his separate property 18% 41/238 41/238		18%	SWN Production Company, LLC	
County, West Virginia Vith SWN Production Company, LLC 18% SWN Production Company, LLC 18% Nith SWN Production Company, LLC 18% with SWN Production Company, LLC 18% 18%	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 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 1000000000000000000000000000000000000	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 205H Brian Teslovich BRK 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC Is separate property Virginia C. Michael, a married woman, dealing herein with SWN Production Company, LLC 18% Perein with her separate property SWN Production Company, LLC 18% 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% 41/232 Donald Dalton, a married man, dealing herein with SWN Production Company, LLC 18% 41/232 his separate property 18% 41/238 41/238 Thomas Clark, a married man, dealing herein with SWN Production Company, LLC 18%	41/732		-	his separate property
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County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18% SWN Production Company, LLC 18% n with SWN Production Company, LLC 18% 18%	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 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC his separate property Virginia C. Michael, a married woman, dealing SWN Production Company, LLC herein with her separate property Evelyn Pasco, a widow SWN Production Company, LLC Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC herein with separate property Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 42/736 Midow SWN Production Company, LLC 18% 39/407 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 41/232	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 205H Brian Teslovich BRK 205H John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% his separate property 18% 45/736 Virginia C. Michael, a married woman, dealing SWN Production Company, LLC 18% herein with her separate property 38/47 Evelyn Pasco, a widow SWN Production Company, LLC 18% Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% herein with her separate property 5WN Production Company, LLC 18% 39/407 Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 39/407 her separate property 18% 39/407 39/407 39/407	21/728	18%	SWN Production Company, LLC	Donald Dalton, a married man, dealing herein with his separate property
County, West Virginia With SWN Production Company, LLC 18% SWN Production Company, LLC 18% SWN Production Company, LLC 18% n with SWN Production Company, LLC 18%	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 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC his separate property Virginia C. Michael, a married woman, dealing SWN Production Company, LLC herein with her separate property Evelyn Pasco, a widow Diana Smyth, a married woman, dealing herein with SWN Production Company, LLC 18% 38/47 Diana Smyth, a married woman, dealing herein with 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 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC Nohn W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% Virginia C. Michael, a married woman, dealing SWN Production Company, LLC 18% 45/736 Virginia C. Michael, a married woman, dealing herein with her separate property SWN Production Company, LLC 18% 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% 39/407	41/232			
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18%	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 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC His separate property Virginia C. Michael, a married woman, dealing SWN Production Company, LLC Herein with her separate property Evelyn Pasco, a widow SWN Production Company, LLC	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 205H 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 205H John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC Image: SWN Production Company, LLC Nirginia C. Michael, a married woman, dealing SWN Production Company, LLC Nirginia C. Michael, a married woman, dealing SWN Production Company, LLC Nerein with her separate property SWN Production Company, LLC Brian Teslovich SWN Production Company, LLC Nirginia C. Michael, a married woman, dealing SWN Production Company, LLC Nirginia C. Michael, a married woman, dealing SWN Production Company, LLC 18% Adv Michael (SWN Production Company, LLC) 18% Michael (SWN Production Company, LLC) 18% 38/47 <		18%	SWN Production Company, LLC	Diana Smyth, a married woman, dealing herein with
County, West Virginia with SWN Production Company, LLC 18% SWN Production Company, LLC 18%	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 Ibrian Teslovich BRK 205H Brooke County, West Virginia Ibrian Teslovich BRK 205H John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC his separate property 18% Virginia C. Michael, a married woman, dealing SWN Production Company, LLC herein with her separate property 38/47	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 205H Image: Brian Teslovich BRK 205H John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC Image: Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC 18% Virginia C. Michael, a married woman, dealing SWN Production Company, LLC Nerein with her separate property Alternative SWN Production Company, LLC 18% Married woman, dealing SWN Production Company, LLC 18% Married woman, dealing Married woman, dealing SWN Production Company, LLC	39/407	18%	SWN Production Company, LLC	Evelyn Pasco, a widow
County, West Virginia with SWN Production Company, LLC 18%	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 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC his separate property Virginia C. Michael. a married woman. dealing SWN Production Company. LLC	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 205H Brooke County, West Virginia John W. Johnson, Jr., married, dealing herein with SWN Production Company, LLC ISWN Production Company, LLC Mis separate property Virginia C. Michael, a married woman, dealing SWN Production Company, LLC Virginia C. Michael, a married woman	38/47			herein with her separate property
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	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 205H 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 205H Brooke County, West Virginia		18%	SWN Production Company, LLC	John W. Johnson, Jr., married, dealing herein with
	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 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	REOR		y, West Virginia	Brooke Count

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WV Department of Environmental Protection

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Brian Teslovich BRK 205H	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
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impany, LLC 18% 41/758 impany, LLC 18% 46/489 impany, LLC 18% 47/36 impany, LLC 18% 47/42 impany, LLC 18% 47/42 impany, LLC 18% 47/42 impany, LLC 18% 47/131 impany, LLC 18% 47/23 impany, LLC 14% 39/419 impany, LLC 14% 39/425 impany, LLC 14% 39/431 impany, LLC 14% 39/431 impany, LLC 14% 39/425 impany, LLC 14% 39/425 impany, LLC 14% 39/425 impany, LLC 14% 40/129 impany, LLC 14% 40/135 impany, LLC 14% 40/145 impany, LLC 14% 40/165 impany, LLC 14% 40/165 impany, LLC 14% 42/417 impany, LLC 14% 42/417	SWN Production Company, LLC SWN Production Company, LLC Mith SWN Production Company, LLC	married woman, dealing herein with her separate SWN Production Company, LLC Christine Ballato, f/k/a Christine Little, divorced, SWN Production Company, LLC dealing herein with her separate property SWN Production Company, LLC uith his separate property SWN Production Company, LLC Deborah McGrath, f/k/a Deborah Little, married, SWN Production Company, LLC Deborah McGrath, fik/a Deborah Little, married, SWN Production Company, LLC Deborah McGrath, figle SWN Production Company, LLC Lynn Oroian, single SWN Production Company, LLC Lynn Oroian, single SWN Production Company, LLC Linda Miller, widow SWN Production Company, LLC Donald James Smith, married, dealing herein with SWN Production Company, LLC Linda Miller, married, dealing herein with her SWN Production Company, LLC Lora Mae Dunn Gurule, married, dealing herein with her SWN Production Company, LLC Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC LC her separate property SWN Production Company, LLC Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC SWN Production Company, LLC her separate property SWN Production Company, LLC Chauncey T. Hall, a married m
18% 18% 18% 18% 18% 18% 14% 14% 14% 14% 14% 14% 14% 14%	SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com	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 his separate property Kevin Sarlo, married, dealing herein with his separate property
18% 18% 18% 18% 18% 18% 14% 14% 14% 14% 14% 14% 14% 14% 14% 14	SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com NT SWN Production Com	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 Lynn Oroian, single Lynn Oroian, single Lora Mae 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
18% 18% 18% 18% 18% 18% 18% 14% 14% 14% 14% 14% 14% 14% 14% 14%	SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com	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 w
18% 18% 18% 18% 18% 18% 14% 14% 14% 14% 14% 14% 14%	SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com SWN Production Com	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
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18% 18% 18% 18% 18% 18% 14% 14% 14% 14% 14%		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
18% 18% 18% 18% 18% 18% 14% 14% 14% 14% 14%		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
18% 18% 18% 18% 18% 18% 14% 14% 14% 14%	SWN Production Com SWN Production Com SWN Production Com SWN Production Com	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
18% 18% 18% 18% 18% 18% 14% 14% 14% 14%	SWN Production Com SWN Production Com SWN Production Com SWN Production Com	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
18% 18% 18% 18% 18% 18% 14% 14% 14%	SWN Production Com SWN Production Com SWN Production Com	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
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18% 18% 18% 18% 18% 18% 14% 14%	SWN Production Com	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
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18% 18% 18% 18% 18% 18% 14% 14%	SWN Production Com	married woman, dealing herein with her separate property Christine Ballato, f/k/a Christine Little, divorced,
18% 18% 18% 18% 18% 18% 14% 14%	SWN Production Com	married woman, dealing herein with her separate property
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18% 18% 18% 18% 18% 18% 18% 14%		
18% 18% 18% 18% 18% 18% 18%	SWN Production Company, LLC	Stephanie J. Blundon, f/k/a Stephanie Piccirillo, a
18% 18% 18% 18% 18%	SWN Production Company, LLC	Dorothy Dean, widow
18% 18% 18% 18%	SWN Production Company, LLC	John R. Clark, a single man
18% 18% 18% 18%		separate property
18% 18% 18% 18%	SWN Production Company, LLC	Ronald T. Clark, a married man dealing in his
18% 18% 18%		separate property
18% 18% 18%	SWN Production Company, LLC	Karen Perry, married, dealing herein with her
18% 18%	SWN Production Company, LLC	Sharen Clark, single
18%	SWN Production Company, LLC	Robert Calvin Mozingo, Jr., single
	SWN Production Company, LLC	Elwood McDougan, a widower
42/25		a widowed woman
ompany, LLC 18%	er, SWN Production Company, LLC	Katherine A. Kemper, aka Katherine Benzo Kemper,
41/226		separate property
ompany, LLC 18%	SWN Production Company, LLC	Cindy L. Rasmussen, dealing herein with her
42/55		herein with her separate property
18%	SWN Production Company, LLC	Leslie C. Hildebrand, a married woman, dealing
42/1		separate property
18%	vith SWN Production Com	John Mossgrove, a married man, dealing herein with SWN Production Company, LLC

TOil and Gas

MAY **20** 2020 WV Department of Environmental Protection

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Kevin Noah single	Jill Hoover, f/K/a Jill Keating, married, dealing herein SWN Production Company, LLC with her separate property	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, f/k/a Doris Keating, married,		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, dealing herein	Thomas Allan Robinson. single	with his separate property	lames Michael Robinson, married, dealing herein	bar consiste property	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		nobert E. Mozinigo and betty Lou Mozinigo, musuand and wife	Josephi Jaheshek, a Matheu Matheu Matheu Kuchand	woman, dealing in her separate property	Alice Yvonne Janeshek Mieczkowski, a married		Brooke Count
SWN Production Company 11C	n SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC			SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC			SWN Production Company, IIC		SWN Production Company 11C	in Swin Floadcaoli collipally, LCC	b GWN production Component ITC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		Chesaneake Annalachia, LLC	SWN Production Company 110	e Chesapeake Appalachia, LLC	SWN Production Company, LLC					SWN Production Company, LLC	Brooke County, West Virginia
18%	18%		18%		18%			18%		18%	18%		18%		18%	18%	10,0	18%	18%	1070	18%	0/OT	100/	18%	18%	18%	16%			18%		18%		7 <u>0</u> %	10%			14%	
70/07	41/751	41/744		41/702		40/190			40/183		40/111	40/104		40/97		40/90	40/13	cortee	39/785	39/558	000/00	20/550	39/529	•	39/522	39/491	39/69	31/228		812/UE	21/220	29/607	31/228	254/422	40/32				
		<u> </u>	1		<u>I</u>			1			<u> </u>								1						1	<u>.</u>	I	1					<u>.</u>	0%			11/2	1/	202

Office of Oil and Gas MAY 202020 Why Denation States Environmental System

EXHIBIT A

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 205H Brooke County, West Virginia

Brooke County, west virginia	, west virginia		
	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%	
			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	SWN Production Company, LLC	18%	
separate property			41/226
Katherine A. Kemper, aka Katherine Benzo Kemper,	SWN Production Company, LLC	18%	
a 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

Office of Oil and Gas MAY 202020 Environment of Antionent of Antionent of Antionent Protection

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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 205H Brooke County, West Virginia

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																				3-B36-65.1																					
	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 SWN Production Company, LLC	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 Otic 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	separate property Chauncev T. Hall, a married man, dealing herein with SWN Production Company 11C	Kevin Sarlo, married, dealing herein with his	her separate property	Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC	separate property	Susan Shamp, married, dealing herein with her	his separate property	Donald James Smith, married, dealing herein with	Linda Miller, widow	Lynn Oroian, single	Susan Clark, single	Deboran McGrath, t/k/a Deboran Little, married, dealing herein with her separate property		Brooke Coun	
CIAIN Droduction Company IIC		n SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		th 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	Сисьарсалс Арранасина, със	One of the opening of	SWN Production Company. LLC	le Chesapeake Appalachia, LLC	SWN Production Company, LLC			SWN Production Company, LLC			SW/N Production Company 11C	SWN Production Company, LLC		ih SWN Production Company LLC	SWN Production Company, LLC		th SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	Brooke County, West Virginia	
10%		18%	18%		18%		18%		18%	18%	18%	16%		10/0	100/		18%			18%	14%		1110	14%	14%	1110	14%	14%		14%		14%		14%	14%	14%	14%		14%		
20/00	40/13		39/785	39/558		39/550		39/529		39/522	39/491	39/69	31/228	0TC /0C	010/00	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			
40/90	0/13		/785	1/558		/550		1/529		/522	/491	69/6	/228		/210	/228	1/607	./228)/455 0%	2/32)/26			2/20	797/	1/477		2/61		V171		/165				ر ر ر		21	1 21	

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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 205H

Office of Oil and Gas MAY 202020

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	1070		a widowed woman
41/220	10%	SMAN Broduction Company 110	Separate property Kathoring A Kompor aka Kathoring Bonzo Kompor
	18%	SWN Production Company, LLC	Cindy L. Rasmussen, dealing herein with her
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%		Gerald McClain, a married man, dealing herein with
41/672	18%	SWN Production Company, LLC	Megan McClain, single
41/244	0,01		his separate property
41/208	100/	SWN Production Company 110	With ner separate property Donald Martin a married man dealing berein with
	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
41/184	18%	SWN Production Company, LLC	Barbara Parrish, widow
40/159			herein with her separate property
	18%	SWN Production Company, LLC	Kimberly R. Jackson, a married woman, dealing
40/147			in fact, Dennis J. Wheeler
			single woman, represented herein by her attorney
			Theima Dunn Wheeler, aka Theima Dunn Wheeler, a
	18%	SWN Production Company, LLC	
40/84	18%	SWN Production Company, LLC	Sara Stafford, a widow
40/66			separate property
	18%	SWN Production Company, LLC	Craig Dunn, a married man, deaing herein with his
40/60	18%	SWN Production Company, LLC	Angela Anderson, divorced
40/48			
	18%	SWN Production Company, LLC	Bruce Dunn, a married man, dealing herein with his
39/779			her separate property
	18%	SWN Production Company, LLC	Karen Kim, a married woman, dealing herein with
39/584			herein with her separate property
	18%	SWN Production Company, LLC	Ruth Elaine Rogerson, a married woman, dealing
39/515	18%	SWN Production Company, LLC	Shirley Ann Dunn Wheeler, a widow
46/290		-	with his separate property
	18%	SWN Production Company, LLC	Harold Rex Strawn, a married man, dealing herein
42/634	18%	SWN Production Company, LLC	Joan Giannini, by her attorney in fact Lisa Giannini
41/732	18%	SWN Production Company, LLC	Thomas Clark, a married man, dealing herein with his separate property
		Brooke County, West Virginia	Brooke Count
		Brian Teslovich BRK 205H	Brian Teslov
perator	n Company, LLC, as O	Permit Form, WW-6A1, by SWN Productio	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

Office of Oil and Gas MAY 202020 Environment of

EXHIBIT A

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SWN Production Company, L Clarence Mozingo, a married man dealing in his sole Chesapeake Appalachia, LLC and separate property	Robert L. Mozingo and Betty Lou Mozingo, husband and wife	Joseph Janeshek, a married man	Alice Yvonne Janeshek Mieczkowski, a married woman, dealing in her separate property		Mary Catherine Janeshek Croce, single	Criauricey 1. naii, a married man, deaning nereni win SWN Production Company, LLC his separate property	Separate property	Kevin Sarlo, married, dealing herein with his	her separate property	Separate property Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC	Susan Shamp, married, dealing herein with her	his separate property	Donald James Smith, married, dealing herein with	Linda Miller, widow	Lynn Oroian, single	Susan Clark, single	dealing herein with her separate property	Deborate Magrathe fixia Deborate 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	separate property Ronald T. Clark. a married man dealing in his	Karen Perry, married, dealing herein with her	Sharen Clark, single	Brian Teslovich BRK 205H Brooke County, West Virginia
SWN Production Company, LLC le Chesapeake Appalachia, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	in SWN Froduction Company, LEC	the CMM production Company IIC	SWN Production Company, LLC		th SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		•	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, IIC	SWN Production Company, LLC	SWN Production Company, LLC	Brian Teslovich BRK 205H Brooke County, West Virginia
18%	18%	14%		14%	14%	14%	1 /0/	14%		14%	14%		14%	14%	14%	14%		14%		14%		14%			14%	14%	18%	1070	18%	18%	18%	
31/228 29/607	29/455	40/32	40/26		40/20	39/297	42/477		42/61	T/T/0 1	10/171	40/165		40/141	40/135	40/129	39/762		39/431		39/425		39/419			39/413	47/233	47/131	4//42		47/36	

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EXHIBIT A EXHIBIT A TO UUUUUC, as Operator 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 205H Brooke County, West Virginia

r amried man dealing in his Greappeake Appliachia, LLC 18% 30/318 ropperty SWN Production Company, LLC 18% 30/318 ingle woman SWN Production Company, LLC 18% 39/491 on, married, dealing herein with SWN Production Company, LLC 18% 39/59 exht, married, dealing herein with SWN Production Company, LLC 18% 39/59 inson, married, dealing herein SWN Production Company, LLC 18% 39/59 exht, married, dealing herein SWN Production Company, LLC 18% 39/59 inson, single SWN Production Company, LLC 18% 40/13 inson, married, dealing herein with his SWN Production Company, LLC 18% 40/90 arried, dealing herein with his SWN Production Company, LLC 18% 40/90 intel, dealing herein with his SWN Production Company, LLC 18% 40/10 wither brzo, widow SWN Production Company, LLC 18% 40/10 intel, dealing herein with his SWN Production Company, LLC 18% 40/10 wither brzo, widow SWN Production Company, LLC 18% 40/10 intel, dealing herein with SWN Production Company, LLC 18% 41/102 intel, dealing herein with SWN Production Company, LLC 18% 41/102 intel, dealing herein with SWN Production Company, LLC 18% 41/121 intel, dealing herein with SWN Production Company, LLC 18% 41/21 intel, dealing herein with SWN Production Company, LLC 18% 41/21 intel, dealing herein with SWN Production Company, LLC 18% 42/37 intel, dealing herein With SWN Production Company, LLC 18% 42/37 intel, dealing herein With SWN Production Company, LLC 18% 42/37 intel, dealing herein With SWN Production Company, LLC 18% 42/37 intel, dealing herein With Neroduction Company, LLC 18% 42/37 intel, dealing herein With Neroduction Company, LLC 18% 42/37 intel, dealing herein With Neroduction Company, LLC 18% 42/37 intel dealing herein With Neroduction Company, LLC 18% 42/37 intel dealing herein With Neroduction Company, LLC 18% 42/32	42/497		SWN Production Company. LLC	Ashlev Anderson. single
emarried man dealing in his Greaspeake Applach1a, LLC 13% 30/318 roperty SNW Production Company, LLC 13% 30/318 non, midow SNW Production Company, LLC 13% 39/529 non, married, dealing herein with SNW Production Company, LLC 13% 39/529 non, married, dealing herein SNW Production Company, LLC 13% 39/529 roperty SNW Production Company, LLC 13% 39/528 roperty SNW Production Company, LLC 13% 40/13 red, dealing herein with his SNW Production Company, LLC 13% 40/199 red, dealing herein with his SNW Production Company, LLC 13% 40/199 rinted, dealing	11/100			and not on the net offer and bioper of
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organization Booke County, West Virginia Booke County, West Virginia 30/318 insperty SWN Production Company, LLC 18% 30/318 ingle woman SWN Production Company, LLC 13% 39/431 on, married, dealing herein with SWN Production Company, LLC 13% 39/431 on, married, dealing herein with SWN Production Company, LLC 13% 39/532 rinson, single SWN Production Company, LLC 13% 39/522 inson, single SWN Production Company, LLC 13% 39/523 rinson, single SWN Production Company, LLC 13% 39/526 inson, single SWN Production Company, LLC 13% 39/526 inson, single SWN Production Company, LLC 13% 39/558 inson, single SWN Production Company, LLC 13% 39/558 inson, single SWN Production Company, LLC 13% 39/558 opperty SWN Production Company, LLC 13% 40/13 ired, dealing herein with his SWN Production Company, LLC 13% 40/104 ired, dealing herein with his SWN Production Company, LLC 13%	42/483	1070		with his separate property
Broket Courty, West Virgina Broket Courty, West Virgina Broket Courty, West Virgina Single woman SWN Production Company, LLC Single woman SWN Production Company, LLC Ty,	42/329		SWIN Broduction Company 110	dealing herein with her separate property William Willard Keating married dealing herein
Final resolucit networks SWN Production Company, LLC 18% 30/318 ingle woman SWN Production Company, LLC 18% 39/59 on, married, dealing herein with SWN Production Company, LLC 18% 39/59 intorn, married, dealing herein with SWN Production Company, LLC 18% 39/59 ry SWN Production Company, LLC 18% 39/52 ry SWN Production Company, LLC 18% 39/55 ry SWN Production Company, LLC 18% 39/55 ry SWN Production Company, LLC 18% 40/13 ry SWN Production Company, LLC 18% 40/14 thelen Izzo, widow SWN Production Company, LLC 18% 40/111 ed, dealing		18%	SWN Production Company, LLC	Debra Jean Dawson f/k/a Debra Robinson, married,
Final resoluction Service SWN Production Company, LLC 18% 30/318 inoperty SWN Production Company, LLC 18% 30/318 origing woman SWN Production Company, LLC 18% 39/529 origing woman SWN Production Company, LLC 18% 39/529 origing married, dealing herein with SWN Production Company, LLC 18% 39/529 riging married, dealing herein with SWN Production Company, LLC 18% 39/529 riging married, dealing herein with SWN Production Company, LLC 18% 39/529 riging married, dealing herein with SWN Production Company, LLC 18% 39/529 riging married, dealing herein with his SWN Production Company, LLC 18% 39/550 inson, single SWN Production Company, LLC 18% 40/10 inoperty SWN Production Company, LLC 18% 40/104 ithelen izzo, widow SWN Production Company, LLC 18% 40/104	42/317			separate property
cy amarried man dealing in his Chesapeake Appalachia, LLC 13% 30/318 croperty SUN Production Company, LLC 15% 30/218 single woman SUNN Production Company, LLC 15% 39/69 on, married, dealing herein with SUN Production Company, LLC 13% 39/69 on, married, dealing herein with SUN Production Company, LLC 13% 39/59 ch, married, dealing herein with SUN Production Company, LLC 13% 39/52 con, married, dealing herein with SUN Production Company, LLC 13% 39/52 roperty SUN Production Company, LLC 13% 39/53 roperty SUN Production Company, LLC 13% 40/13 arried, dealing herein with his SUN Production Company, LLC 13% 40/13 ride, dealing herein with his SUN Production Company, LLC 13% 40/14 ride, dealing herein with his SUN Production Company, LLC 13%		18%	SWN Production Company, LLC	Larry Keating, married, dealing herein with his
enarried man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SMN Production Company, LLC 18% 30/218 on, widow SMN Production Company, LLC 18% 39/29 on, married, dealing herein with SMN Production Company, LLC 18% 39/29 on, married, dealing herein with SMN Production Company, LLC 18% 39/50 ry married, dealing herein with SMN Production Company, LLC 18% 39/52 ry married, dealing herein with SMN Production Company, LLC 18% 39/50 rson, single SMN Production Company, LLC 18% 39/520 rison, married, dealing herein SMN Production Company, LLC 18% 39/550 inson, married, dealing herein SMN Production Company, LLC 18% 39/550 inson, smarried, dealing herein with his SMN Production Company, LLC 18% 40/13 roperty SMN Production Company, LLC 18% 40/13 ried, dealing herein with his SMN Production Company, LLC 18% 40/104 therein with his SMN Production Company, LLC 18% 40/104	42/37	18%	SWN Production Company, LLC	Kevin Noah, single
bitan result of the county, West Virginia groperty SWN Production Company, LLC 18% 30/318 noperty SWN Production Company, LLC 31/228 an, widow SWN Production Company, LLC 31/228 an, widow SWN Production Company, LLC 39/491 an, widow SWN Production Company, LLC 39/491 an, widow SWN Production Company, LLC 18% 39/520 ry seth, married, dealing herein with SWN Production Company, LLC 18% 39/520 ry seth, married, dealing herein SWN Production Company, LLC 18% 39/520 rison, single SWN Production Company, LLC 18% 39/520 ry SWN Production Company, LLC 18% 39/550 inson, married, dealing herein SWN Production Company, LLC 18% 39/550 inson, married, dealing herein with his SWN Production Company, LLC 18% 39/558 inson, married, dealing herein with his SWN Production Company, LLC 18% 40/131 ied, dealing herein with his SWN Production Company, LLC 18% 40/104 thileen izo, widow SWN Production Company, LLC </td <td>41/751</td> <td>-070</td> <td></td> <td>with her separate property</td>	41/751	-070		with her separate property
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brian Lestowich Disk Zusch Brooke County, West Virginia stoperty SWN Production Company, LLC 13% 30/318 noperty SWN Production Company, LLC 13% 39/69 no, widow SWN Production Company, LLC 13% 39/69 no, widow SWN Production Company, LLC 13% 39/52 con, married, dealing herein with SWN Production Company, LLC 13% 39/522 con, married, dealing herein with SWN Production Company, LLC 13% 39/522 son, single SWN Production Company, LLC 13% 39/522 roperty SWN Production Company, LLC 13% 39/522 roperty SWN Production Company, LLC 13% 39/526 roperty SWN Production Company, LLC 13% 40/13 red, dealing herein with his SWN Production Company, LLC 13% 40/97 red, dealing herein with his SWN Production Company, LLC	Ĩ		SWN Production Company, LLC	Jacqueline B. Johnson, married, deailng herein with
Brooke County, West Virginia SWN Production Company, LLC 18% 30/318 roperty SWN Production Company, LLC 18% 30/318 n, widow SWN Production Company, LLC 18% 39/69 on, married, dealing herein with SWN Production Company, LLC 18% 39/59 on, married, dealing herein with SWN Production Company, LLC 18% 39/529 echt, married, dealing herein SWN Production Company, LLC 18% 39/529 inson, married, dealing herein SWN Production Company, LLC 18% 39/529 inson, married, dealing herein SWN Production Company, LLC 18% 39/529 inson, single SWN Production Company, LLC 18% 39/530 inson, single SWN Production Company, LLC 18% 39/530 inson, single SWN Production Company, LLC 18% 39/538 inoperty SWN Production Company, LLC 18% 39/538 inoperty SWN Production Company, LLC 18% 40/13 inde, dealing herein with his SWN Production Company, LLC 18% 40/104 ied, dealing herein with his SWN Production Company, LLC<	41/702			separate property
Brooke County, West Virginia 30/318 Inoperty SWN Production Company, LLC 18% 30/318 Inoperty SWN Production Company, LLC 31/228 Inoperty SWN Production Company, LLC 39/59 Inoperty SWN Production Company, LLC 18% 39/59 Inoperty SWN Production Company, LLC 18% 39/59 Inoperty SWN Production Company, LLC 18% 39/52 Inoperty SWN Production Company, LLC 18% 39/52 ry SWN Production Company, LLC 18% 39/58 ry SWN Production Company, LLC 18% 39/58 ry SWN Production Company, LLC 18% 40/13 right SWN Production Company, LLC 18% 40/97 ried, dealing herein with his SWN Production Company, LLC 18% 40/104			SWN Production Company, LLC	Robert E. Noah, married, dealing herein with his
Brooke County, West Virginia Brooke County, West Virginia a married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SMN Production Company, LLC 18% 39/59 single woman SWN Production Company, LLC 18% 39/69 on, married, dealing herein with SWN Production Company, LLC 18% 39/52 on, married, dealing herein with SWN Production Company, LLC 18% 39/52 ry SWN Production Company, LLC 18% 39/52 roperty SWN Production Company, LLC 18% 39/52 roperty SWN Production Company, LLC 18% 39/52 roperty SWN Production Company, LLC 18% 40/13 roperty SWN Production Company, LLC 18% 40/90 arried, dealing herein with his SWN Production Company, LLC 18% <t< td=""><td>40/190</td><td></td><td></td><td>dealing herein with her separate property</td></t<>	40/190			dealing herein with her separate property
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Brooke County, West Virginia a married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 16% 39/69 single woman SWN Production Company, LLC 16% 39/69 on, widow SWN Production Company, LLC 18% 39/52 on, married, dealing herein with SWN Production Company, LLC 18% 39/52 ry SWN Production Company, LLC 18% 39/520 ry SWN Production Company, LLC 18% 39/520 ry SWN Production Company, LLC 18% 39/520 ry SWN Production Company, LLC 18% 39/550 ry SWN Production Company, LLC 18% 40/13 roperty SWN Production Company, LLC 18% 40/90 arried, dealing herein with his SWN Production Company, LLC 18% 40/97 ried, dealing herein with his	40/183			separate property
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Brooke County, West Virginia an married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 18% 39/69 single woman SWN Production Company, LLC 18% 39/69 on, married, dealing herein with SWN Production Company, LLC 18% 39/52 on, married, dealing herein with SWN Production Company, LLC 18% 39/529 rty Toperty SWN Production Company, LLC 18% 39/529 roperty SWN Production Company, LLC 18% 39/529 rty Toperty SWN Production Company, LLC 18% 39/529 roperty SWN Production Company, LLC 18% 39/550 rty SWN Production Company, LLC 18% 39/558 rson, single SWN Production Company, LLC 18% 39/558 roperty SWN Production Company, LLC 18% 39/558 roperty SWN Production Company, LLC 18% 39/558 roperty SWN Production Company, LLC 18% 40/13 red, dealing herein with his SWN Production Company, LLC	40/111		SWN Production Company, LLC	Kathy Ziklo f/k/a Kathleen Izzo, widow
Brooke County, West Virginia Brooke County, West Virginia Brooke County, West Virginia single man dealing in his Chesapeake Appalachia, LLC 18% 30/318 single woman SWN Production Company, LLC 16% 39/69 single woman SWN Production Company, LLC 16% 39/69 on, widow SWN Production Company, LLC 18% 39/522 on, married, dealing herein with SWN Production Company, LLC 18% 39/529 acht, married, dealing herein with SWN Production Company, LLC 18% 39/529 cht, married, dealing herein SWN Production Company, LLC 18% 39/529 rty SWN Production Company, LLC 18% 39/550 inson, married, dealing herein SWN Production Company, LLC 18% 39/558 roperty SWN Production Company, LLC 18% <td< td=""><td>40/104</td><td></td><td>SWIN Production Company, LLC</td><td>Albert O. 1220, married, dealing nerein with his separate property</td></td<>	40/104		SWIN Production Company, LLC	Albert O. 1220, married, dealing nerein with his separate property
Broke County, West Virginia Brooke County, West Virginia Brooke County, West Virginia aroperty SWN Production Company, LLC 18% 30/318 single woman SWN Production Company, LLC 16% 39/69 single woman SWN Production Company, LLC 18% 39/491 on, married, dealing herein with SWN Production Company, LLC 18% 39/522 on, married, dealing herein with SWN Production Company, LLC 18% 39/522 on, married, dealing herein with SWN Production Company, LLC 18% 39/529 echt, married, dealing herein SWN Production Company, LLC 18% 39/550 roperty SWN Production Company, LLC 18% 39/550 roperty SWN Production Company, LLC 18% 39/558 roperty SWN Production Company, LLC 18% 39/785 roperty SWN Production Company, LLC 18% 39/785 roperty SWN Production Company, LLC 18% 40/13 son, single SWN Production Company, LLC 18% 40/13 roperty SWN Production Company, LLC 18%	40/97			separate property
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Broad restored box 2020 Brooke County, West Virginia Brooke County, West Virginia Brooke County, West Virginia Stroperty SWN Production Company, LLC 18% 30/318 Inoperty SWN Production Company, LLC 31/228 SWN Production Company, LLC 16% 39/69 SWN Production Company, LLC 18% 39/491 SWN Production Company, LLC 18% 39/522 on, married, dealing herein with SWN Production Company, LLC 18% 39/529 echt, married, dealing herein with SWN Production Company, LLC 18% 39/529 rty 39/550 39/550 39/550 inson, married, dealing herein SWN Production Company, LLC 18% 39/558 rty SWN Production Company, LLC 18% 39/558 rson, single SWN Production Company, LLC 18% 39/558 rson, single SWN Production Company, LLC 18% 39/558 rson, single SWN Production Company, LLC 18% 39/785 rson, single SWN Production Company, LLC 18% 39/785 rson, single	40/90	18%	SWN Production Company, LLC	Joseph Izzo, single
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Brooke County, West Virginia Brooke County, West Virginia amarried man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 18% 31/228 single woman SWN Production Company, LLC 16% 39/69 on, married, dealing herein with SWN Production Company, LLC 18% 39/491 on, married, dealing herein with SWN Production Company, LLC 18% 39/522 echt, married, dealing herein with SWN Production Company, LLC 18% 39/529 acht, married, dealing herein with SWN Production Company, LLC 18% 39/529 acht, married, dealing herein SWN Production Company, LLC 18% 39/520 rty 18% 39/550 39/550 inson, married, dealing herein SWN Production Company, LLC 18% 39/550	39/785		SWN Production Company 11C	mas Allan Robinson, single
brian reslovich BKK 2054 Brooke County, West Virginia , a married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 31/228 SWN Production Company, LLC 16% 39/69 single woman SWN Production Company, LLC 18% 39/491 on, widow SWN Production Company, LLC 18% 39/491 on, married, dealing herein with SWN Production Company, LLC 18% 39/522 echt, married, dealing herein with SWN Production Company, LLC 18% 39/529 echt, married, dealing herein with SWN Production Company, LLC 38% 39/529 echt, married, dealing herein with SWN Production Company, LLC 39/520 rty 39/550			SWN Production Company, LLC	nes Michael Robinson, married, dealing herein
Brooke County, West Virginia Brooke County, West Virginia Brooke County, West Virginia Brooke County, West Virginia Stroperty SWN Production Company, LLC	39/550			her separate property
brian reslovich BKK 2054 Brooke County, West Virginia , a married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 31/228 SWN Production Company, LLC 16% 39/69 single woman SWN Production Company, LLC 18% 39/491 on, widow SWN Production Company, LLC 18% 39/522 ion, married, dealing herein with SWN Production Company, LLC 18% 39/522 ty 39/529		18%	SWN Production Company, LLC	san Kelly Vollbrecht, married, dealing herein with
brian reslovich BKK 2020 Brooke County, West Virginia , a married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 18% 31/228 SWN Production Company, LLC 16% 39/69 single woman SWN Production Company, LLC 18% 39/491 on, married, dealing herein with SWN Production Company, LLC 18% 39/522	39/529		-	his separate property
brian reslovich BKK 2020 Brooke County, West Virginia , a married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 18% 31/228 SWN Production Company, LLC 16% 39/69 single woman SWN Production Company, LLC 18% 39/491 on, widow SWN Production Company, LLC 18% 39/522			SWN Production Company, LLC	In Steven Robinson, married, dealing herein with
brian reslovich BKK 2054 Brooke County, West Virginia , a married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 18% 31/228 SWN Production Company, LLC 16% 39/69 SWN Production Company, LLC 18% 39/491	39/522		SWN Production Company, LLC	ce Mozingo Clifton, widow
brian reslovich BKK 2054 Brooke County, West Virginia , a married man dealing in his Chesapeake Appalachia, LLC 18% 30/318 roperty SWN Production Company, LLC 16% 31/228 SWN Production Company, LLC 16% 39/69	39/491	18%	SWN Production Company, LLC	ginia Ł. Ewing, a single woman
ied man dealing in his Chesapeake Appalachia, LLC 18% 30/318 SWN Production Company, LLC 31/228		16%	SWN Production Company, LLC	Fresh Oil Ministries
brian Testovich BKK 2004 Brooke County, West Virginia ied man dealing in his Chesapeake Appalachia, LLC 18% 30/318			SWN Production Company, LLC	e and separate property
			Chesapeake Appalachia, LLC	Thomas Otis Brown, a married man dealing in his
	Ein -		y, West Virginia	Brooke County

MAY 202020 Environmental Protection

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 205H Brooke County, West Virginia

%RT	IT SWW Production Company, LLC	becky Loewe, a married woman, dealing nerein with SWN Production Company, LLC
	SWM Deduction Company, LCC	Dealer Locus a married manage dealing bornin with
18% 41/184	SWN Production Company 11C	Barbara Parrish. widow
18% 40/159	SWN Production Company, LLC	Kimberly R. Jackson, a married woman, dealing herein with her separate property
40/147		in fact, Dennis J. Wheeler
		single woman, represented herein by her attorney
	ω	Thelma Dunn Wheeler, aka Thelma Dunn Wheeler, a
18%	SWN Production Company, LLC	
18% 40/84	SWN Production Company, LLC	Sara Stafford, a widow
40/66		separate property
18%	SWN Production Company, LLC	Craig Dunn, a married man, deaing herein with his
18% 40/60	SWN Production Company, LLC	Angela Anderson, divorced
40/48		separate property
18%	SWN Production Company, LLC	Bruce Dunn, a married man, dealing herein with his
39/779		her separate property
18%	SWN Production Company, LLC	Karen Kim, a married woman, dealing herein with
39/584		herein with her separate property
18%	SWN Production Company, LLC	Ruth Elaine Rogerson, a married woman, dealing
18% 39/515	SWN Production Company, LLC	Shirley Ann Dunn Wheeler, a widow
46/290		with his separate property
18%	SWN Production Company, LLC	Harold Rex Strawn, a married man, dealing herein
42/634		Joan Giannini, by her attorney in fact Lisa Giannini
18%	SWN Production Company, LLC	
41/732		his separate property
18%	SWN Production Company, LLC	Thomas Clark, a married man, dealing herein with
41/238		his separate property
18%	SWN Production Company, LLC	Donald Dalton, a married man, dealing herein with
41/232		her separate property
18%		Diana Smyth, a married woman, dealing herein with
18% 39/407	SWN Production Company, LLC	Evelyn Pasco, a widow
38/47		herein with her separate property
18%	SWN Production Company, LLC	Virginia C. Michael, a married woman, dealing
45/736		his separate property
18%	SWN Production Company, LLC	John W. Johnson, Jr., married, dealing herein with
45/742		separate property
18%	r SWN Production Company, LLC	Carolyn J. Johnson, married, dealing herein with her
47/410		separate property
18%	SWN Production Company, LLC	Bruce Anderson, married, dealing herein with his
18% 43/166	SWN Production Company, LLC	Gail Noah, single
42/640		separate property
18%	SWN Production Company, LLC	Richard Keating, married, dealing herein with his

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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 205H Brooke County, West Virginia

40/171			separate property
	14%	SWN Production Company, LLC	Susan Shamp, married, dealing herein with her
40/165			his separate property
	14%	SWN Production Company, LLC	Donald James Smith, married, dealing herein with
40/141	14%	SWN Production Company, LLC	Linda Miller, widow
40/135	14%	SWN Production Company, LLC	Lynn Oroian, single
40/129	14%	SWN Production Company, LLC	Susan Clark, single
39/762			dealing herein with her separate property
			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			dealing herein with her separate property
	14%	SWN Production Company, LLC	Christine Ballato, f/k/a Christine Little, divorced,
39/419			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			a widowed woman
	18%	SWN Production Company, LLC	Katherine A. Kemper, aka Katherine Benzo Kemper,
41/226			separate property
	18%	SWN Production Company, LLC	Cindy L. Rasmussen, dealing herein with her
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
		Brooke County, west virginia	Brooke County

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3-B31-125			3-B31-124		3-B31-142	0 001 110	3-B31-143	3-B31-144		3-B31-122	3-B31-80		3-B31-79	0,-101-10	2 021 70	3-B31-89	3-B31-88	3-831-87	3-831-86		3-B36-23	3-B36-24		3-836-25											
Debbie Steward, divorced		husband and wife	Harley J. Lemasters and Rebecca K. Lemasters,		Gary W. Early, single and Judith K. Anderson, single	wife	Jeffery H. Lynn and Brenda S. Lynn, husband and	Jeffery H. Lynn and Brenda S. Lynn, husband and wife		Johnnie Lynn Fox, a single woman	Timothy Woolwine and Melinda Beth Woolwine, husband and wife		Michael S. Walnoha	Salinia J. Waliiciia, Wincow	Candra I Walnoba widow	The Smithfield Evangelical Friends Church	Percy E. Huggins, widower	James J. Long and Geraldine M. Long, husband and wife	Robert D. Hilderbrand and Carolyn R. Hilderbrand, husband and wife	his separate property	Terry L.Stickeles, a married man, dealing herein with SWN Production Company, LLC	Kenneth C. Lucas	wife	Carlos J. O'Brien and Billie D. O'Brien, husband and	Joseph Janeshek, a married man	Alice Yvonne Janeshek Mieczkowski, a married woman. dealing in her separate property		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	her separate property	Lora Mae Dunn Gurule, married, dealing herein with SWN Production Company, LLC	Brian Teslo Brooke Count	α
SWN Production Company, LLC	SWN Production Company, LLC		Chesapeake Appalachia, LLC	SWN Production Company, LLC	Chesapeake Appalachia, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	Chesapeake Appalachia, LLC	SWN Production Company, LLC	SWN Production Company, LLC	Chesapeake Appalachia, LLC	SWN Production Company, LLC	Characteran advanced	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC		th SWN Production Company. LLC	Chesapeake Appalachia, LLC SWN Production Company, LLC	-	SWN Production Company, LLC	SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	-	h SWN Production Company, LLC	SWN Production Company, LLC		h SWN Production Company, LLC	Brian Teslovich BRK 205H Brooke County, West Virginia	
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39/357	30/480		13/286	30/480	12/252	0++ / / C	37/148	37/148		22/393	34/376	30/480	23/544	23/344 30/480	72/544	42/457	36/282	36/318	38/65	01/100	37/793	30/425 31/288		37/778	40/32	40/26		40/20	39/297			42/61			Operator
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Ohio River	-					3-B31-14					3-B27-10		3-B27-11	Brooke CO. Rt.2	3-B31-5	3-B31-6	3-B31-82			3-B31-130		3-831-129		3-B31-128		3-831-127				Attached to a	
State of West Virginia Department of Commerce,				Toups Family Trust of 2013	individually, and as Co-Trustees of The Amy M.	John Matthew Padden and Elizabeth A. Padden,	(Company owned minerals)	SWN Production Company, LLC	HFS Limited Liability Company	Division of Natural Resources	State of West Virginia Department of Commerce,	Division of Highways	West Virginia Department of Transportation,	ROW Only	Ray Walnoha	Ray Walnoha	Bernard J. Lombard, III	Groves, husband and wife, as Joint Tenants	Marion R. Weekly and Nancy G. Weekly, f.k.a. Nancy		and wife	James W. Grimm and Robin Lynn Grimm, husband	and wife	James W. Grimm and Robin Lynn Grimm, husband	and wife	James W. Grimm and Robin Lynn Grimm, husband		Brooke Coun	Brian Teslo	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	EXH
SWN Production Company, LLC	SWN Production Company, LLC	LLC	American Petroleum Partners Operation			Fossil Creek Ohio, LLC					SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC			SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC		SWN Production Company, LLC	SWN Production Company, LLC	Brooke County, West Virginia	Brian Teslovich BRK 205H	s Permit Form, WW-6A1, by SWN Production Cor	
20%						16%			18%		20%		20%		14%	14%	18%			14%		18%		18%		18%				npany, LLC, as (γŢΟ
55/479	576/22	240 (20	27/642			29/166		256/647	15/394		55/479		53/18		34/473	34/473	36/302			36/667		42/129		42/129		42/129	30/480			Operator	
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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 205H in Brooke County, West Virginia, Drilling under 4576 WV-2, McCord Hill Road, Green run Road, and Coss 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 Coss 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

Office of Oil and Gas

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

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

Date of Notice Certification: 5/19/20_

API No. 47- 009	
Operator's Well	No. Brian Teslovich BRK 205H
Well Pad Name:	Brian Teslovich BRK

Notice has been given:

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

State:	West Virginia	LITY (NAD 02	Easting:	531,199.843	
County:	009- Brooke	UTM NAD 83	Northing:	4,451,867.122	
District:	Buffalo	Public Road Acc	cess:	McCord Hill Road	
Quadrangle:	Tiltonsville	Generally used f	arm name:	Brian Teslovich	
Watershed:	Grog Run				

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

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

Required Attachments:

The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service.³⁵ the return receipt card or other postal receipt for certified mailing.

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Provided the provisions in West Virginia Code (12240A) the Operator has provided the required parties with the Neiller Forms listed tables. for the cost of land as follows:

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Cardin Her Prod Donu Harranka - ruser a	Public Road Access: Generally used farm adanc	

President to West Virginia Code § 22-6A-7(b) every pomut application filed under this section shall be on a form as may by prescribed by the conducty shall be confined on the following information (14) A conditionation from the operator that (i)in has provided the owners of the serifice described in subdivisions (1) (2) and (4), subsection (b) section for of this article, the information required by anesections (b) and (c), section sixteen of this article (i) and the (compart (as deemed inisfied as a jestification of the section of t of exame the surface owner notice of early to survey present to subjection (a), section (c) this article six-a, or (ii) the police a arrange of antreast of the section executed this article was veryed in valling by the author overest and Pursian to West Vinduia Code § 11-6A-11(b), the applicant shall render proof of and nervice to the recordary that the normer requirements of section ten of this article have been completed by the applicant

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	C WRITTEN WANTER BY SURFACE OWNER: (PLEASE ATTACH)
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ABBERTING AND A CONTRACTION

The Operator shall much to this Nonce Conflication Form all Notice Forms and Confifications of Notice that have been envided of the required parties cultor any associated written warrast. For the Public Ventice, the operator shall build the Class II Legisl Advertisencest ends subjection date verification of the Associated Attracts of Publication. The attached Nance Forms and (whitestays of Nonec shall serve as proof the decigned parties have been moded as required under West Virginia CodeW 22-p A Pursuan to Meet Migunia Code § 22-6 MH (b), the Certification of Netion to the person may be made by affidavit of parsonal service. amiliana barlumata left masuca bilang tadat na binta misakan malamada

WW-6AC (1/12)

Certification of Notice is hereby given:

THEREFORE, I Brittany Woody

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

Well Operator:	SWN Production Co., LLC	Address:	1300 Fort Pierpont Dr., Suite 201
By:	Brittany Woody	r	Morgantown, WV 26508
Its:	Senior Regulatory Analyst	Facsimile:	304-884-1690
Telephone:	304-884-1610	Email:	Brittany_Woody@swn.com
	JESSICA L. VANGILDER State of West Virginia My Comm. Expires Jul 20, 2020	Secribed and swo Secretary Commission Ex	orn before me this <u>17</u> th day of <u>April</u> , <u>2020</u> . <u>L. Van Mulder</u> Notary Public xpires

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.

> RECEIVED Office of Oil and Gas MAN 2 0 2000

Entraction indirection

API NO. 47- 009 700900312 WW-6A OPERATOR WELL NO. Brian Teslovich BRK 205H (9-13)Well Pad Name: Brian Teslovich BRK STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS NOTICE OF APPLICATION Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date Permit Application Filed: 51820 Date of Notice: Notice of: PERMIT FOR ANY CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT WELL WORK Delivery method pursuant to West Virginia Code § 22-6A-10(b) ✓ REGISTERED METHOD OF DELIVERY THAT REQUIRES A П PERSONAL MAIL. RECEIPT OR SIGNATURE CONFIRMATION SERVICE

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice WSSP Notice E&S Plan Notice Well Plat Notice is hereby provided to:

SURFACE OWNER(s)	COAL OWNER OR LESSEE
Name: Brian L. Teslovich	Name: Windsor Coal Company
Address: 211 Sunset Drive	Address: 1000 Consol Energy Drive
Belle Vernon, PA 15012	Canonsburg, PA 15317
Name:	COAL OPERATOR
Address:	Name:
	Address:
SURFACE OWNER(s) (Road and/or Other Disturbance)	
Name:	SURFACE OWNER OF WATER WELL
Address:	AND/OR WATER PURVEYOR(s)
	Name: See Attachment 13A
Name:	Address:
Address:	
	OPERATOR OF ANY NATURAL GAS STORAGE FIELD
□ SURFACE OWNER(s) (Impoundments or Pits)	Name:
Name:	Address:
Address:	
	*Please attach additional forms if necessary

Attachment 13 A

4700900312

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	wv	26070	3
03B36L00420000000	COULTER STANLEY E & JOYCE	5108 APPLE PIE RIDGE RD	WELLSBURG	wv	26070	1

RECEIVED Office of Oil and Gas

MAY 202020

WY/Department of Emark anerga 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 thing and the comments, notice of the $O_{ii} = O_{ii} = O_{ii}$ who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining PE MAY 2 0 2020

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

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

Well Location Restrictions

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

WW-6A (8-13)

API NO 47700 0.9003 OPERATOR WELL NO. Brian Teslovich BRK 205H Well Pad Name: Brian Teslovich BRK

MAY 202020

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

Water Well Testing:

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

Water Testing Laboratories:

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

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

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

Written Comment:

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

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

WW-6A (8-13)

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

Disclaimer: All comments received will be placed on our web site http://www.dep.wv.gov/oil-and-gas/Horizontal-

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

Permit Denial or Condition

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

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

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

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

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WV Department of Environmental Protection

Notice is hereby given by: Well Operator: SWN Production Co., LLC -	(8-13)	
Well Operator: SWN Production Co., LLC .	5	No. C
		Kubaday
	Well Operator: SWN Production Co., LLC - Telephone: 304-884-1610	ALLANDO
	Email: Brittany_Woody@swn.com	

Address: 1300 Fort Pierpont Dr., Suite 201 Morgantown, WV 26508 Facsimile: 304-884-1690

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

API NO. 47- 009

700900312

Oil and Gas Privacy Notice:

WW-6A

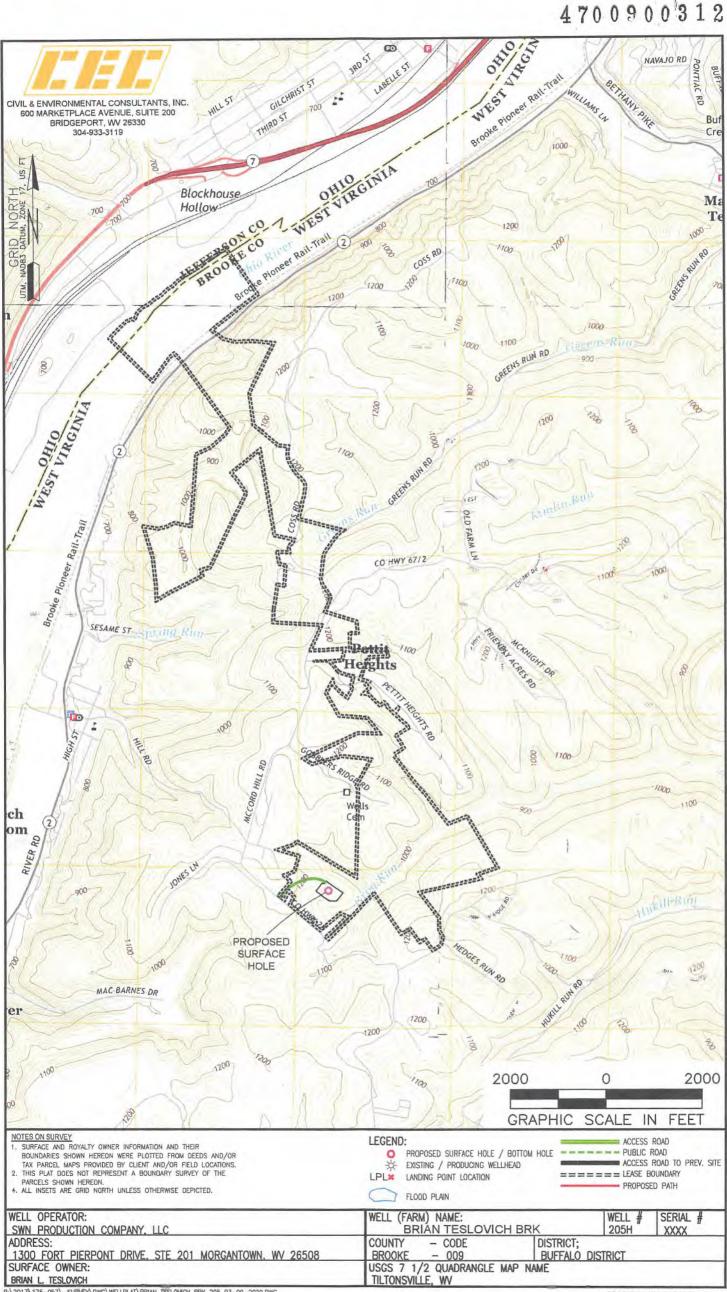
The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deportvacyofficer@wv.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 <u>April 2020</u> . <u>Jessica 2. Van Hilde</u> Notary Public
	My Commission Expires $1 - \partial U - \partial U$

Office of Oil and Gas

MAY 2 0 2020

WV Department of Environmental Protection



WG\WELLPLAT\BRIAN TESLOVICH BRK 205 03-09-2020.DWG P:\2017\175-057\-SURVEY\DWG MONDAY APRIL 20 2020 08:51AM

WW-6A3 (1/12)

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry Date of Notice: 2/27/2020 Date of Planned Entry: 3/4/2020

Delivery method pursuant to West Virginia Code § 22-6A-10a

PERSONAL
SERVICE

REGISTERED MAIL METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a). Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

Notice is hereby provided to:

SURFACE OWNER(s)	COAL OWNER OR LESSEE
Name: Brian L. Testovich	Name; C/O Leatherwood, Inc. Attn: Casey Saunders
Address: 411 Sunset Drive	Address: 1000 Consol Energy Drive
Belis Vemon, PA 15012	Canonsburg, PA 15317
Name:	
Address:	MINERAL OWNER(s)
	Name: Brian L. Teslovich
Name:	Address: 411 Sunset Drive
Address:	Belle Vemon, PA 15012
	*please attach additional forms if necessary

Notice is hereby given:

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

West Virginia	Approx. Latitude & Longitude:	40.216574, -60.633201 Apple Pie Ridge Lower Buffalo Creek	
Brooke	Public Road Access:		
Buffalo	Watershed:		
Tillonsville	Generally used farm name:	Brian Teslovich	_
	Brooke	Brooke Public Road Access: Buffalo Watershed:	Brooke Public Road Access: Apple Pie Ridge Buffalo Watershed: Lower Buffalo Creek

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production 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). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting www.dep.wv.gov.oil-and-gas pages default.aspx.

Notice is hereby given by:

Email:	brittany_woody@swn.com	Facsimile:	304-884-1690	
Telephone:	304-884-1610		Morgantown, WV 26508	_
Well Operator:	SWN PRODUCTION COMPANY, LLC	Address:	1300 Fort Plerpont Dr., Suite 201	

Oil and Gas Privacy Notice:

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

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

Operator Weil 9 0 0 3 1

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

Notice Time Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application. Date of Notice: 03/17/2020 Date Permit Application Filed:

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

	HAND	-	CERTIFIED MAIL
	DELIVERY		RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided*, *however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

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

<u> </u>	Name:
	Address:
	·

Notice is hereby given:

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

State:	West Virginia	LITANIAD 02 Eas	ting:	531,199.843	
County:	Brooke	UTM NAD 83 Not	thing:	4,451,867.122	
District:	Buffalo	Public Road Access:		McCord Hill Road	
Quadrangle:	Tiltonsville	Generally used farm t	name:	Brian Teslovich BRK	
Watershed:	Grog Run			a there are a set of the set of the	

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 <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

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		Morgantown, WV 26508	
Telephone:	304-231-8329	Telephone:	304-231-8329	
Email:	Reid_Croft@swn.com	Email:	Reid_Croft@swn.com	
Facsimile:		Facsimile:		

Oil and Gas Privacy Notice:

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

WW-6A5 (1/12)

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application. Date of Notice: 03/17/2020 Date Permit Application Filed:

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

2	CERTIFIED MAIL	HAND
	RETURN RECEIPT REOUESTED	DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Windsor Coal Company	Name:
Address: 1000 Consol Energy Drive	Address:
Canonsburg, PA 15317	

Notice is hereby given:

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

State:	West Virginia	ITTA (NIAD 02	Easting:	531,199.843
County:	Brooke	UTM NAD 83	Northing:	4,451,867.122
District:	Buffalo	Public Road Access: Generally used farm name:		McCord Hill Road
Quadrangle:	Tiltonsville			Brian Teslovich BRK
Watershed:	Grog Run			

This Notice Shall Include:

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1)A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Well Operator:	SWN Production Company, LLC	Address:	1300 Fort Pierpont Dr., Suite 201	
Telephone:	304-231-8329	and the second se	Morgantown, WV 26508	
Email:	Reid_Croft@swn.com	Facsimile:		

Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacyofficer@wv.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 Requirement: Notice shall be provided at least TEN (10) days prior to filing a permit application. Date of Notice: 04/03/2020 Date Permit Application Filed: 5150

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

HAND	CERTIFIED MAIL
DELIVERY	RETURN RECEIPT REQUESTED

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided*, *however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

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

Name: Brian L. Teslovich		Name:		
Address: 211 Sunset Drive Belle Vernon, PA 15012		Address:		

Notice is hereby given:

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

State:	West Virginia	TITLE NIAD 92	Easting:	531,199.843	
County:	Brooke	UTM NAD 83	Northing:	4,451,867.122	
District:	Buffalo	Public Road Acce	SS:	McCord Hill Road	
Quadrangle:	Tiltonsville	Generally used fa	rm name:	Brian Teslovich BRK	
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 <u>www.dep.wv.gov/oil-and-gas/pages/default.aspx</u>.

Notice is hereby given by:

Well Operator: Address:	SWN Production Company, LLC	Authorized Representative:	Reid Croft	
	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:		

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STATE OF WEST VIEGINIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OR AND CAS

Putstern to W-Not Code § 22-6A-16(b), the Nonce of Intent to Truth is only required if the region requirements of W-Vir Code § 22-6A-16(c) have NOT recent not or if the Nonce of Japan to Druth requirement has NOT been waived in writing by the surface owner,

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Transmerers W. Ver, Code § 22-6A-16(b), as tast ten davis prior to filing a primit application, an operator shalls by contribution main return recent monested or hard delivery, give the surface owner nonce of its arran to cater upon the surface owner's land for the purpose of thilling is herizontal wells. Printelet, That notice given pursuant to subsection (a), section ten of this article satisfies the equirements of till verbacetion as of the date its notice given pursuant to subsection (a), section ten of this article satisfies the equirements of till verbacetion as of the date its notice control of the surface owner. Provided tearmer, The the police adjustments of this subsection may be writted in writing by the surface owner. The notice, d'required, shall include the name, address, telephone number and the original file for antifice and econories and address of the operator and the operator's authorized representative.

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Pursuent to Vest Virginia Code (22.6.5 + 160), notee is hereby given that the undersymptot well operator has an intent to enter upon the suffice over z and for the purpose of duiling a intercantat well on the upon of land as follows:

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Public Road Access:

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Paration to West Virginia Code § 22-64-10(1), this notice shall methols the maps, address, telephone and if available, have male aconter and electropic hail address of the operator and the energies withoused representative. Additional information elected to hadroaded addiing may be obtained from the Security, at the WN Department of Environmental Protection Leadquarters, because et 601.57% survey all. Charlest n. WV 25304 (204-926-0459) or by a title with using why gives a constraint event electrop fight.

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He Office or Oil and Cas processes you bersocal information, rach is many address and telephone number, as part of oil regulatory bates. Your purcent information may be disclosed to other State agencies or tierre parties in the normal course of business or as acoder to comply wold structure or regulatory requirements including fit beach of information. Act requests. Our eafles will appropriately searce your personal information. If you have any questions about our act of vour personal information, please or next DEP collief forwary Officer at representations. WW-6A5 (1/12)

Operator	Well	No.	Brian To	slovich	BRK 2	05H	0
Operator 4	70	0 0	0	0	3	1	4

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

Notice Time Requirement: notice shall be provided no later than the filing date of permit application.
Date of Notice: 04/03/2020 Date Permit Application Filed:

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

CERTIFIED MAIL	HAND
RETURN RECEIPT REQUESTED	DELIVERY

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Notice is hereby provided to the SURFACE OWNER(s)

(at the address listed in the records of the sheriff at the time of notice):

Name: Brian L. Teslovich	 Name:
Address: 211 Sunset Drive	Address:
Belle Vernon, PA 15012	

Notice is hereby given:

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

State:	West Virginia	LITAINAD 82 E	asting:	531,199.843	
County:	Brooke	UTM NAD 83 N	orthing:	4,451,867.122	
District:	Buffalo	Public Road Access	3:	McCord Hill Road	
Quadrangle:	Tiltonsville	Generally used farm	n name:	Brian Teslovich BRK	
Watershed:	Grog Run				

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Well Operator:	SWN Production Company, LLC	Address:	1300 Fort Pierpont Dr., Suite 201	
Telephone:	304-231-8329		Morgantown, WV 26508	
Email:	Reid_Croft@swn.com	Facsimile:		

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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 205H Well Site

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,

Jan K. Clayton

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

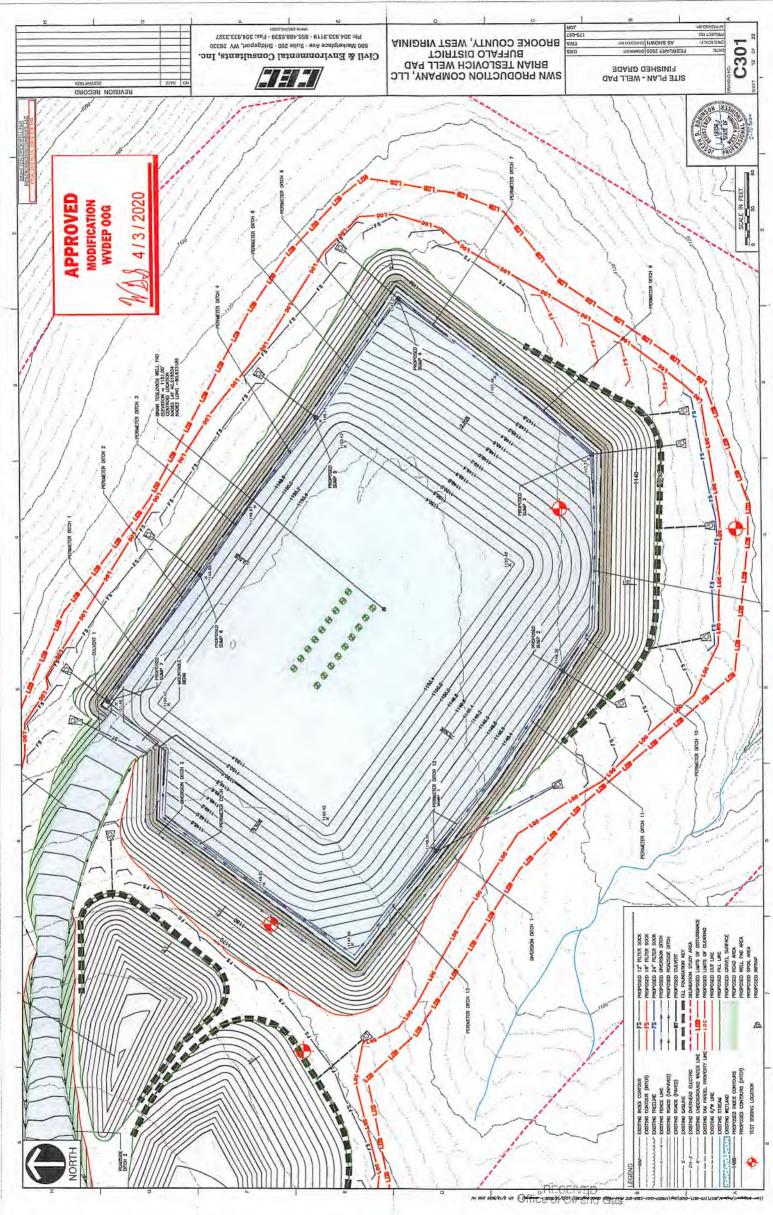
Cc: Brittany Woody Southwestern Energy CH, OM, D-6 File

Attachment VI Frac Additives

roduct Name	Product Use	Chemical Name 470	
I-303 (U.S. Well Services)	Mixture	Ethylene glycol	107-21 1
and a starting of the second starting of the		Cinnamaldehyde	104-55 2
		Butyl cellosolve	111-76 2
		Formic acid	64-18 6 Propriotory
		Polyether	Proprietary
	Burnham	Acetophenone, thiourea, formaldehyde polymer	68527-49 1 7727-54-0
ONE (U.S. Well Services)	Breaker	Ammonium persulfate	
ctron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8 68424-85-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides Ethanol	64-17-5
ctron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1
tron K-219 (Champion Technologies)	biocide	Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
rboNRT	Tracer	Ceramic Proppant	66402-68-4
6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
		Ethylene Glycol	107-21-1
734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
0	1.5- A.S.	Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
no-Cl200 (SWN Well Services)	Corrosion Inhibitor	Methanol	67-56-1
A THE CASE AND A THE CASE AND A STATE		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
STREET BURNING	land Coursel	Formaldehyde	50-00-0 64-19-7
ppol-FEAC (SWN Well Services)	Iron Control	Acetic Acid Citric Acid	64-19-7 77-92-9
		Water	7732-18-5
P-S1176-15 (Halliburton)	Friction Reducer	Polyacylate	Proprietary
STRIG-TS (namouron)	. netton neutret	Hydrotreated light petroleum distillate	64742-47-8
JET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
Terri Canada anal		Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
JET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
6 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Inorganic Salt	Proprietary
TRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonylphenol Ethoxylate	Proprietary
-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
(SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
5 MC (Halliburton)	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
slick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
		Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide	68551-12-2 93-83-4
		Ammonium Chloride	93-83-4 12125-02-9
xslick 953	Friction Reducer	Petroleum Distillate	64742-47-8
anon and	Theorem Acounces	Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
		N,N-bis (2-hydroxyethyl) oleamide	93-83-4
kslick 957	Friction Reducer	Petroleum Distillate	64742-47-8
		Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
		Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
RA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8
		Propenoic acid, polymer with propenamide	9003-06 9
aid 655 NM	Scale Inhibitor	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
lick 922	no data available	Copolymer of 2-propenaminde	69418-26-4
		Distillates (petroleum), hydotreated light	64742-47-8
		Ammonium chloride ((NH4)CI)	12125-02-9
tide PS50A	Bioglidal areduct	Oleic Acid Diethnolamide	93-83-4
Jue PSSUA	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	55566-30-8
		groups	397256-50-7
	Potesta a Ball	Hydrotreated light petroleum distillate	64742-47-8
2950	Friction Reducer		
2950	Friction Reducer	Ethoxylated alcohol	Proprietary
950	Friction Reducer		200230 51
	Scale Control	Ethoxylated alcohol Poly (oxy-1.2-ethanediyl) alphatridecylomegahydroxy-, branched Methanol	69011-36-5
2950 end LD-7750W		Poly (oxy-1.2-ethanediyl) alphatridecylomegahydroxy-, branched	200230 51

As of 1/16/2020

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APPROVED MODIFICATION WVDEP 00G MAA 41312020		BEMINIARI CF RA ONSE CENTER OSSE CENTER DENNISYLLVANIA PE



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WV Department of Environmental Protection