

#### west virginia department of environmental protection

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

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

Wednesday, September 30, 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 201H 47-009-00323-00-00

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

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

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

James A. Martin Chief

Operator's Well Number: BRIAN TESLOVICH BRK 20

Farm Name: BRIAN L. TESLOVICH U.S. WELL NUMBER: 47-009-00323-00-00

Horizontal 6A New Drill
Date Issued: 9/30/2020

Promoting a healthy environment.

#### PERMIT CONDITIONS

4700900323

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

#### CONDITIONS

- This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
- 2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
- 3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
- 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.
- 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.
- During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
- 9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
- 10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

API Number:	
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#### PERMIT CONDITIONS

4700900323

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.

OPERATOR WELL NO BUTTO BRAZOTE 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	Production Co., LLC	494512924	009- Brooke	3-Buffalo 641-Tiltonsville
		Operator ID	County	District Quadrangle
2) Operator's Well Numb	Brian Teslovich B	RK 201H Well P	ad Name: Brian	Teslovich BRK
3) Farm Name/Surface O	wner: Brian L. Teslov	vich Public Ro	oad Access: McC	ord Hill Road
4) Elevation, current grou	ind: 1149'	Elevation, propose	d post-constructio	n: 1151'
5) Well Type (a) Gas	X Oil	Un	derground Storage	3
Other				
(b)If Gas		Deep		1-0
6) Existing Pad: Yes or N	Horizontal X		(	PS 8.7.20
7) Proposed Target Forma		iginated Thiolmose		
Target Formation- Marcellus, Up-	Dip well to the North, Target Top	TVD- 5733', Target Base	TVD-5784', Anticipated T	SSUFC(S) hickness- 51', Associated Pressure- 3760
8) Proposed Total Vertica	l Depth: 5768'			
9) Formation at Total Ver	tical Depth: Marcella	ıs		
10) Proposed Total Measu	ared Depth: 17,575'			
11) Proposed Horizontal I	Leg Length: 11,345.	61		
12) Approximate Fresh W	ater Strata Depths:	115'		
13) Method to Determine	Fresh Water Depths:	Nearby spring		
14) Approximate Saltwate	er Depths: 405'- Salin	ity Profile		
15) Approximate Coal Sea	am Depths: 266'			
16) Approximate Depth to	Possible Void (coal n	nine, karst, other):	Possible Void 2	66'
17) Does Proposed well lo directly overlying or adjac			No	x
(a) If Yes, provide Mine	Info: Name: Win	dsor Coal Compa	any/CONSOL	Office of Oil and Gas.
G. F. The Street Street	Depth:			AUG 2 6 2020
	Seam			WV Department of Environmental Protection
	Owner:			

API NO. 47- 0094 7009 900323

OPERATOR WELL NO. Brizen Terilovich BRIX 201H

Well Pad Name: Brian Teslovich BRK

18)

#### CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	20"	New	H-40	94#	100'	100'	CTS
Fresh Water	13 3/8"	New	H-40	48#	320'	320'	323 sx/CTS
Coal	See	Surface	Casing				
Intermediate	9 5/8"	New	J-55	36#	1609'	1609'	632 sx/CTS
Production	5 1/2"	New	HCP-110	20#	17575'	17575'	(eac 776sx/Ta) 2787sa/ 100/ Instinc In
Tubing	100						
Liners							

C. BO 8.1.10

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

#### **PACKERS**

Kind:	Office of Oil and Gas
Sizes:	AUG 2 6 2020
Depths Set:	WV Department of Environmental Protection

#### APINO, 47- 00 70 0 9 0 0 3 2 3

OPERATOR WELL NO. Hoar 16stevich BRK 201H
Well Pad Name: Briss Testovich BRK

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.

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

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

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

See Attachment \*\*\*

25) Proposed borehole conditioning procedures:

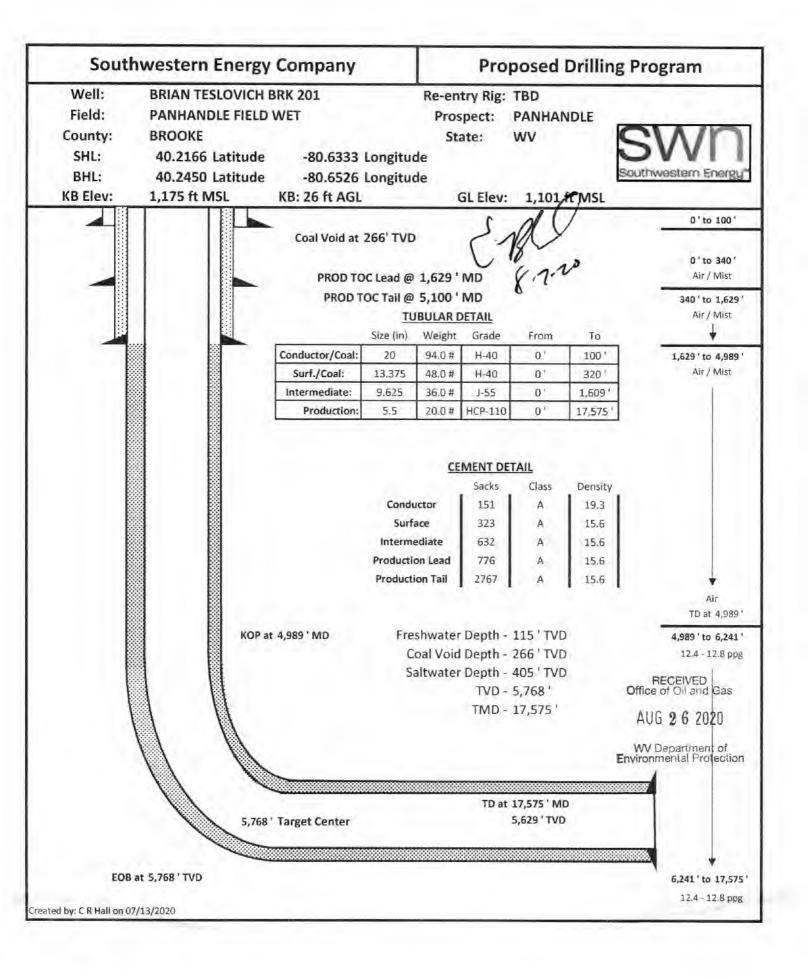
All boreholes will be conditioned with circulation and rotation for a minimum of one bottoms up and continuing until operator is satisfied with borehole conditions.

Office of Oil and Gas

AUG 2 6 2020

WV Department of Environmental Protection

\*Note: Attach additional sheets as needed.



10000			CEMENT	ADDITIVES		
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTIER PRODUCT NAME	PRODUCT USE	470090 CHEMICAL NAME	0 3 2 3 CAS-Numbe
SURFACE (FRESHWATER)	><	INTEGRA SEAL	C1600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	5001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION	> <	INTEGRA SEAL	C1600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
up = 3	5001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D047	FP 28L	$\times$	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
INTERMEDIATE	><	INTEGRA SEAL	C1600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet	> <	$\times$	LOST CIRC MATERIAL	COATED FIBERGLASS FIBERS	PROPRIETAR
	SUGAR	SUGAR	CJ795	CMT RETARDER	SUCROSE	57-50-1
	5001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
PRODUCTION	$\sim$	> <	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	> <	SS-11W	CI880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	D047	FP 28L	X	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	> <	> <	CIX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
		$\supset$	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATIC AMIDE POLYMER	PROPRIETAR
	D255	$\supset$	$\times$	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETAR
			CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	> <	FL-66	C1501	LOW TEMP FLUID LOSS ADD	POWDERED POLYSACCHARIDE	PROPRIETAR
		BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	X	VISCOSIFIER/ANTI- SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETAR
	D198	R-3		CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	C1795	CEMENT RETARDER	SUCROSE	57-50-1

RECEIVED
Office of Oil and Gas

SEP 1 0 2020

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	Brian Teslovich BRK 201H					
API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formatio
4709300053	Berea Oil and Gas Corp.	Cancelled	39.028047	-79.442466	N/A	N/A
4709300054	t Berea Oil and Gas Corp.	Completed	39.023619	-79.443045	8,473	Oriskany
4709300047	7 Berea Oil and Gas Corp.	Reassign	N/A	N/A	N/A	N/A
4700900066	Miller, J. R.N., Jr.	Plugged	40.220057	-80.641632	1,891	Up Devonian
4709900390	United Fuel Gas Co.	Plugged	37.994001	-82.341112	3,274	Lower Huron
4709900383	3 Libbey Owens Gas	Plugged	38.032129	-82.486503	2,691	Big White Slate
4709700151	L Cumberland & Allegheny Gas Co.	Plugged	38.860133	-80.253003	2,130	Fifth
4709300013	Columbian Carbon Co.	Plugged	39.171751	-79.634098	6,385	Tuscarora
4709700244	1 Cameron Producing	Plugged	38.916956	-80.234682	4,540	Brallier

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AUG 2 6 2020

WV Department of Environmental Protection

WW-9 (4/16)

My commission expires

API Number 47 - 009	4
Operator's Wall No	Origina Teachering CDC 2011

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

I certify that I understand and agree to the terms and concitions of the GENERAL WATER POLLUTION PERMIT issued in August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the rovisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable aw 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 polication form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for btaining the information. I believe that the information is true, accurate, and complete. I am aware that there are significant enalties for submitting false information, including the possibility of fine or impriments.  **NOTARY PUBLIC OFFICIAL SEAL JESSICA L. VANGIL DER State of West Virginia My Comm. Expires Jul 20, 2020 SWN Production Company, L16		SAL & RECLAMATION PLAN
Do you anticipate using more than \$.000 bbts of water to complete the proposed well work? Yes No If so, please describe anticipated pit waste:  Will a synthetic liner be used in she pit? Yes No If so, what mil.?  Proposed Disposal Method For Treated Pit Wastes:  Land Application  Underground Injection / UIC Permit Nomber Various Approved Facilities  Retuse (at API Number Mine make anticipated well Office (at API Number Mine make anticipated well Office) by Tord disposal location)  Official Proposed Disposal (Supply from WWV) or or disposal location)  Official Proposed Disposal (Supply from WWV) or or disposal location)  Will closed loop system be used? If so, describe: Yes-See Allactivent 3A  Drilling medium anticipated for fins well (vertical and florizontal)? Air, freshwater, oil based, etc.  ***Official Proposed Disposal Supply from WWV)  If so, what mil.?  If oil based, what type? Synthetic, petroleum, etc., Synthetic Oil Based  Additives to be used in drilling medium? Allactiment 3B  Orill cuttings disposal method? Leave in pit, landfill, removed offsite, etc.  ***Landfill or offsite famole permit number?**  Mendement Supply Landfill Ub-UB-3B, Brooke Uo-SVPT UI-3,  Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any Vest Nignias addit waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose there it was properly disposed.  I certify that I understand and agree to the terms and compliance of Environmental Protection. I understand that the revisions of the permit are enforceable by law. Violations of any inquiry of those individuals immediately responsible for busining the information are lead to enforcement action.  I certify that I understand and agree to the terms and compliance of Environmental Protection. I understand that the revisions of the permit are enforceable by law. Violations of any inquiry of those individuals immediately responsible for busining the informat		
Will a pit be used? Yes No If so, please describe anticipated pit wiste:  Will a synthetic liner be used in the pit? Yes No If so, what mil.?  Proposed Disposal Method For Treated Pit Wastes:  Land Application  Underground Injection   UIC Permit Number Various Approved Facilities  Reuse (at API Number At manest interpret was Office of City and Care Permit Number Various Approved Facilities  Other (Explain recovery and solidification on site  Will closed loop system be used? If so, describe: Yes-See Allactional 3A  Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.  If oil based, what type? Synthetic, petroleum; etc. Synthetic Oil Base  Additives to be used in drilling medium? Altachment 3B  Orill cuttings disposal method? Leave in pit. landfill, removed offsite, etc.   landfill    If left in pit and plan to solidify what medium will be used? (cernent, fime, sawdust)  Appex Sanitary Landfill 100-104-3b, Brooke Co Synthetic Petroleum; etc.   landfill    Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any Vest Virginia about waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.  I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued in August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the more interesting in the permit and or office applicable was recipilated from this photocoment of the general permit and or other applicable was recipilated from this photocoment of the general permit and or office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the more regulation can lead to enforcement action.  I certify that I understand and agree to the terms and conditions of the general permit and or other applicable was recipilated	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
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Proposed Disposal Method For Treated Pit Wastes:  Land Application  Underground Injection (UTC Permit Number Various Approved Facilities)  Reises (at API Number Attra neat antequated well Off Site Disposal (Supply) form WW-9 for disposal location)  Other (Explain recovery and solidification on site  Will closed loop system be used? If so, describe: Yes-See Allachment 3A  Drilling medium anticipated for ifns well (vertical and horizontal)? Air, freshwater, oil based, etc.  If oil based, what type? Synthetic, petroleuml. etc. Synthetic Oil Base  Additives to be used in drilling medium? Altachment 3B  Orill cuttings disposal method? Leave in pit. landfill, removed offsite, etc. landfill  I left in pit and plan to solidify what medium will be used? (cement, fine, savvdust)  Landfill or offsite name/permit number? Meabonill synt- tot. Stort Dack SWE-1034 Canton timestone MSWL016781 Wotton County 1004  Apax Santtary Landfill 10-UB438, Brooke UO SVVI-1UL3,  Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any Vest Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose there it was properly disposed.  I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued in August 1, 2005, by the Oilice of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the rovisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable wor regulation can lead to enforcement action.  I certify that I understand and agree to the terms and conditions of the general permit and/or other applicable wor 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 polication form and all attachments thereon and that, based on my inquiry of those i	If so, please describe anticipated pit waste:	
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Will closed loop system be used? If so, describe: Yes-See Allachment 3A  Drilling medium anticipated for this well (vertical and horizontal)?  Air, freshwater, oil based, etc. ************************************	Underground Injection (UIC Permit N Reuse (at API Number At the next anticpia Off Site Disposal (Supply form WW-9	of disposal location)
Orilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc.   "Joil based, what type? Synthetic, petroleum, etc., Synthetic Oil Base  Additives to be used in drilling medium? Attachment 3B  Orill cuttings disposal method? Leave in pit. landfill, removed offsite, etc.   landfill    -If left in pit and plan to solidify what medium will be used? (cement, fime, sawdust)  -Landfill or offsite name/permit number?   Maddowfill SWF-102, Shot Doek SWF-1034 Cabbon Limestone MSWL018781 Wated County 1021  Apex Sanitary Landfill Ub-U8438, BTOOKE UD SWF-1013, remittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any Vest Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.  I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued in August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the rovisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable was 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 population form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for betaining the information. I believe that the information is true, accurate, and complete. In an aware that there are significant enables for submitting false information, including the possibility of fine or improvements.  NOTARY PUBLIC OFFICIAL SEAL LESSICAL VANGILOER  State of West Virginia and submitted and sworm before me this   Alife 9 6 202  Alife 9 6 202		
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Landfill or offsite name/permit number?  Mendowffil SWF-10-2, Short Creek SWF-1034 Carbon Limestone MSWL018781. Wetzel County 1021  Apex Sanitary Landfill Ub-U8438, Brooke Co SWF-10-12, Short Creek SWF-1034 Carbon Limestone MSWL018781. Wetzel County 1021  Apex Sanitary Landfill Ub-U8438, Brooke Co SWF-10-13, Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any Vest Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.  1 certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued in August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the rovisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable was 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 population form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for bataining the information. I believe that the information is true, enablies for submitting false information, including the possibility of fine or imprimental production form and the Expires utilized to West Virginia My Comm. Expires utilized 20, 2020 Septimental Company, Ltd.  Intermitted Title Senior Regulatory Analyst  Allo 2, 6, 202  Allo 2, 6, 202		
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AUG 9 6 202	ubscribed and sworn before me this 16th day of 0	Office of Oil and C
	<u> </u>	AUG 9 6 202

Field Reviewed?

orm WW-9	Operator's Well No. Brian Teslovich B
SWN Production Co., LLC	
roposed Revegetation Treatment: Acres Disturbed 11.42	Prevegetation pH

Lime as determined by pH lesi min.2 Tons/acre or to correct to pH 6.17 Fertilizer type 10-20-20 Fertilizer amount 600/500 lbs/acre Mulch\_ Hay/Straw Tons/acre Seed Mixtures Temporary Permanent Seed Type lbs/acre Seed Type lbs/acre Attachment 3C Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area. Photocopied section of involved 7.5' topographic sheet. Plan Approved by: Comments:

Title: Oil & Gas Inspector

RECEIVED Office of Oil and Gas

AUG 2 6 2020

#### Attachment 3A

#### CLOSED LOOP SYSTEM

The closed loop system is designed to eliminate the use of reserve pits by providing a higher level of sollds 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/sollds are separated. Gas is sent to the flare scrubber tank and is flared at the flare stack. Solids and fluids pass across a shaker system to separate solids from liquids. Solids pass into the cuttings tanks where they are captured for drying and hauloff to an approved landfill site. Liquids fall into a shaker tank and are collected by a centrifugal pump to be processed by the high speed centrifuge to further separate liquids and solids. Solids are then dumped into the cuttings tank for drying and hauloff. Liquids are further processed to remove additional low gravity solids before being reused or transferred to onsite storage.

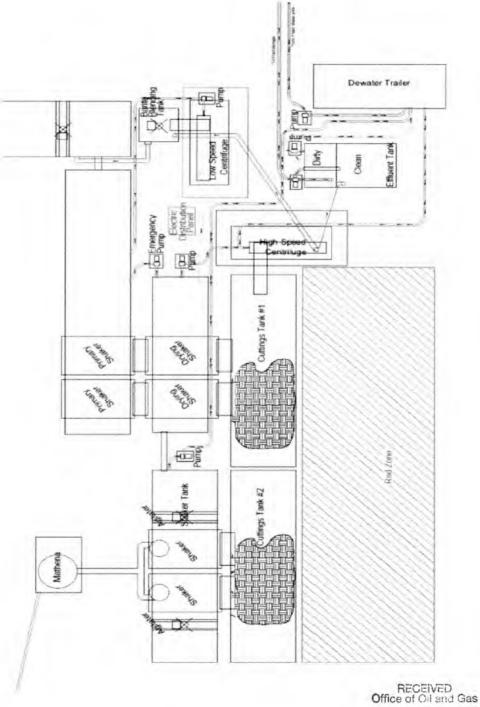
#### LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

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

Office of Oil and Gas

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Solids Control Layout

nice of Oil and Ga

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# Attachment 3B Drilling Mediums

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

Air

Freshwater (if needed based on conditions)

Intermediate/Coal (if present):

Air

#### **Production Hole:**

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

**Primary and Secondary Emulsifiers** 

Gilsonite

Calcium Carbonate

Friction Reducers

Office of Oil and Gas

AUG 2 6 2020

N/A

(please allow 7 to 10 days for delivery)

	Tight.
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	West
S	Bouth

NON-ORGANIC PROPERTIES

Seed Mixture: ROW Mix

Orchardgrass

**Fimothy** 

# WVD Seeding Specification

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

SWN Supplied

15% 15% 2% 2% 2% 2% 2% 2%

Pelletized Lime @ 2 Tons per Acre Apply @ 2001bs per acre Oct. 15th- April 15th **SWN Supplied** 20% 20% Seed Mixture: SWN Production Organic Mix Organic Fertilizer @ 2001bs per Acre Apply @ 100lbs per acre April 16th-Oct. 14th ORGANIC PROPERTIES Organic Red or White Clover Organic Red or White Clover Organic Perennial Ryegrass Organic Timothy innoculated at 5x normal All legumes are Oct. 15th-April 15th PLUS Apply @ 200lbs per acre

# SWN Supplied WETLANDS (delineated as jurisdictional wetlands) Seed Mixture: Wetland Mix

Solbs per acre of Winter Wheat

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

Rough Bluegrass **Birdsfoot Trefoil** 

Medium Red Clover

Red Top

White Clover

**Brown Top Millet Annual Ryegrass** 

SOIL AMENDMENTS

20%

20% 10% 2% 2% 2% 2%

Office of Oil and Gas AUG 2 6 2020 WV Department of Environmental Protection Cosmos 'Sensation **VA Wild Ryegrass** Annual Ryegrass Golden Tickseed Maryland Senna Showy Tickseed owl Bluegrass Redtop

Fox Sedge Soft Rush

Swamp Verbena Woolgrass

2.5%

2.5%

2.5% 2.5%

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

Apply @ 50lbs per acre

Oct. 15th- April 15th

NO FERTILIZER OR LIME INSIDE WETLAND LIMITS

Rev.1/13/2020

\*unless otherwise dictated by soil test results \*Apply @ 500lbs per Acre Apply @ 2 Tons per Acre 1452' of 30' ROW/LOD is One Acre 871' of 50' ROW/LOD is One Acre 622' of 70' ROW/LOD is One Acre eding Calculation Information: 10-20-20 Fertilizer Pelletized Lime nousis:

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

Special Considerations:

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

# MARCELLUS WELL DRILLING PROCEDURES AND WELL SITE SAFETY PLAN

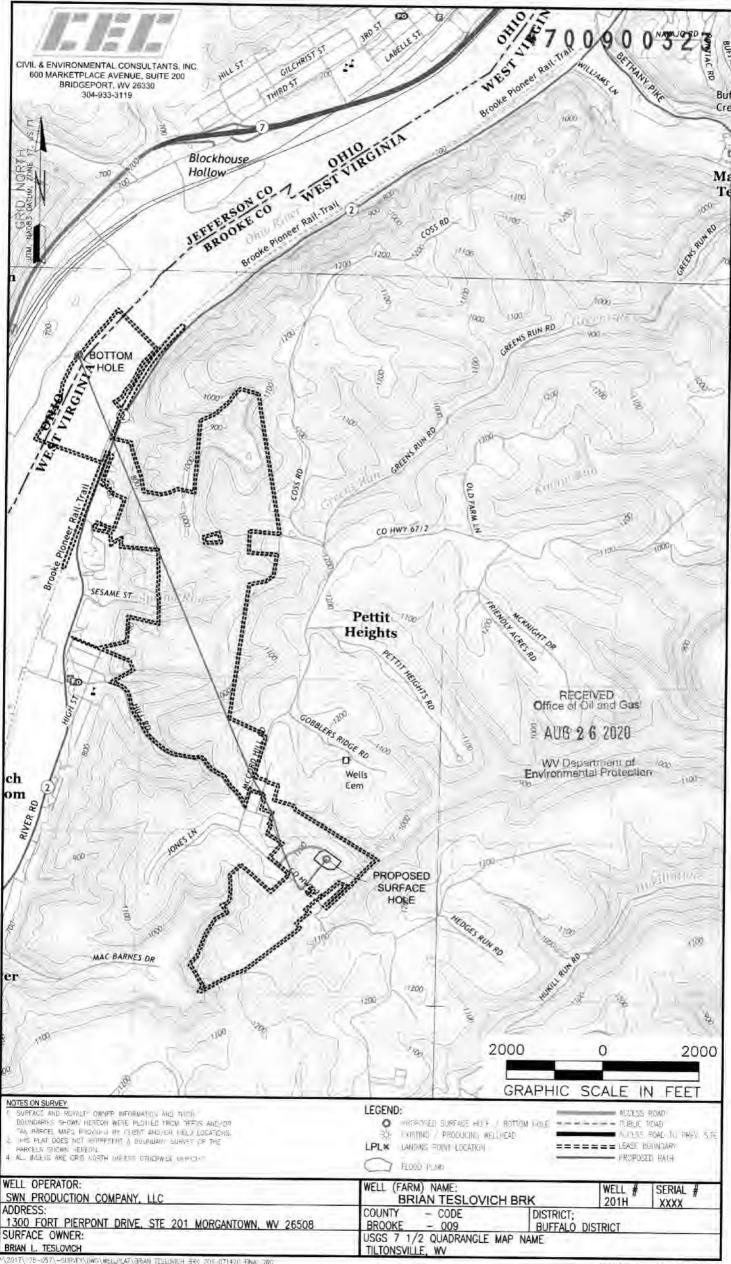


SWN Production Company, LLC 1300 Fort Pierpont Drive, Suite 201 Morgantown, West Virginia 26508

API NO. 47-XXX-XXXXX
WELL NAME: Brian Teslovich BRK 201H
Tiltonsville QUAD
Buffalo DISTRICT
Brooke COUNTY, WEST VIRGINIA

Submitted by:		
Name: Brittany Woody	Date: 7/13/2020	
Title: Senior Regulatory Analyst	SWN Production Co., LLC	
Name: Od + Gy Tyer	Date: 8-7-20	
		Office of Oil and Gas
Approved by:		AUG 2 6 2020
Name:	Date:	WV Department of Environmental Protection
Title:		

SWN PRODUCTION COMPANY, LLC - CONFIDENTIAL





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

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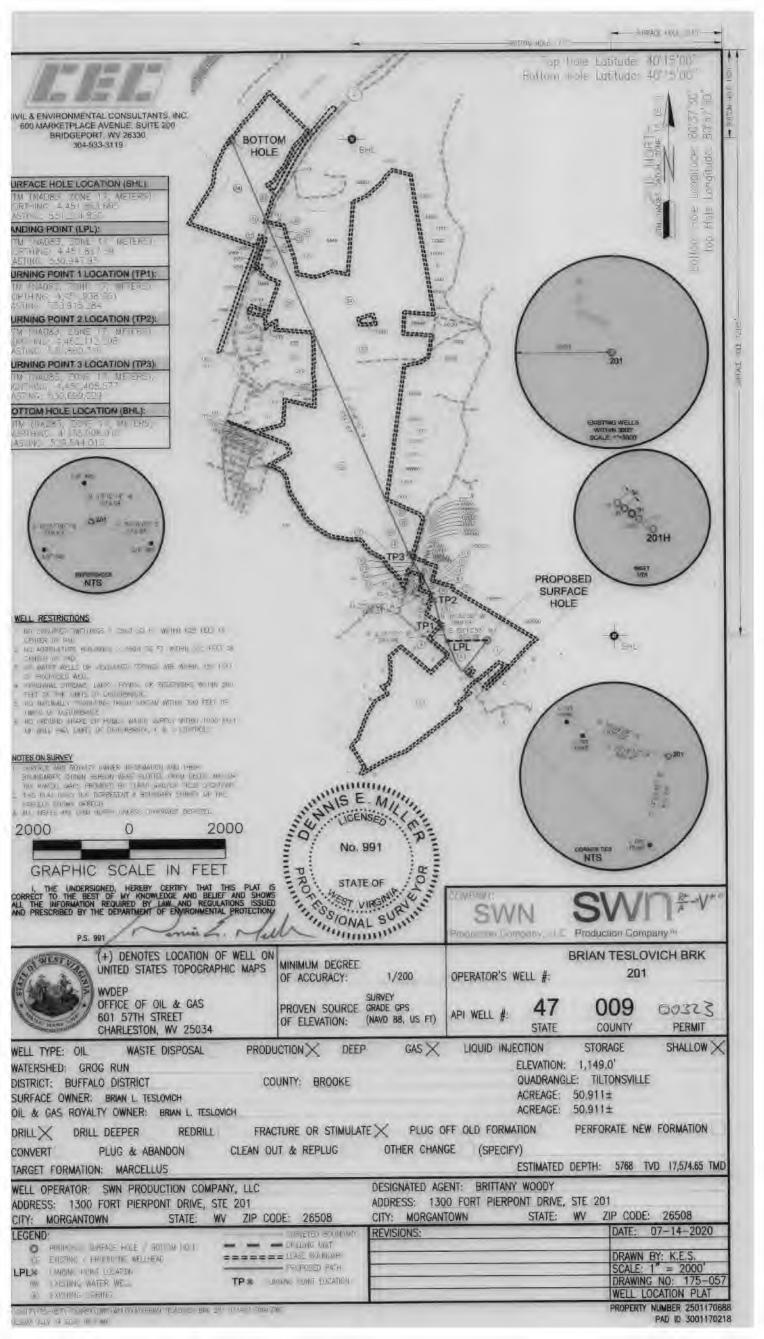
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PERMIT

STATE COUNTY REVISIONS:	PERMIT	SWN	SIA	/n = V**
	OPERATOR'S	BRIAN TESLOVIC	Production C	Ompany/4 DATE: 07-14-2020
	WELL #: 47400A-	and annual consideration of the		DRAWN BY: K.E.S.
	DISTRICT: BUFFALO DISTRICT	COUNTY: BROOKE	STATE: WV	SCALE: N/A DRAWING NO: 175-05



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

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

Lease Name or				
Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page

See Exhibit "A"

RECEIVED
Office of Oil and Gas

AUG 2 6 2020

WV Department of Environmental Protection

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

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

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

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

Office of Oil and Gas

AUG 2 6 2020

WV Departue To Environmental Projection

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.

SWN Production Company, LLC	
10	
Staff Landman	
	Staff Landman

EXHIBIT A
Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-EAL, by SWN Production Company, LLC, as Operator
Brian Teslovich BR x 201H
Brooke County, West Virginia

Figure   Marcine   Section   Company   Compa	The Natural Gas Company Wakefield aber, alvia Janet Agnew Deber Itt single awitt, single eith and Saliy A. Westelin, husband and wife Company LLC Massey Massey Massey  Allice and Theresa L. Stillion Massey  Massey  Massey  Crest Improvement Association, Inc. Enancties and Linda J. Lemasters ons Bossow  Alice Deviin  McCutcheon Griffin  McCutcheon Mortin  Coutcheon  Coutcheo	Chesapeake Appalachia, LLC SWN Production Company, LLC	+70%	
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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 BRR 201H Brooke County, West Virginia

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EXHIBIT A Attached to and made a part of the State of West Virginia OII and Gas Permit Form, WW-5A1, by SWN Production Company, LLC, as Operator Britan Textool

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Salvan Wass Whiten Salvan Wass Whiten Debra Wilson W Doma Ziegler Edward Ziegler Edward Ziegler Edward Ziegler Edward Ziegler Edward Ziegler Ramen D. Staffer Bathrea W. Button W Hortwal W. Button W The W. Cutchen Bathrea Harin Don Kinders Anter J. Dowlin W Robert Salvan Heart Salvan Heart Salvan Mecutaheon W The W. Cutchen W The W. Salvan W The W. Sa	SWN Production Company, LLC	18.00%	47/515
Sura vines by Whitelen Debra William W. Donald Wolff Donald Wolff Donald Wolff Donald Wolff Donald Wolff Donald Wolff Edward Zinggler Karnon D. Shaffler Beltone Moss Bossow Michael W. Burton Michael Michael Berker J. McCutcheon Rebert J. McCutcheon Rebert J. McCutcheon Rebert J. McCutcheon Michael Millor Michael Mi	SWN Production Company, LLC	18.00%	47/601
Debta William  Debta William  W. Conada Woulff  Donna Ziegler  Esward Ziegler  Esward Ziegler  Esward Ziegler  Esward Ziegler  Rabner D. Sitaffer  Rabnera W. Burton, Jr.  Rabbeca Smith Euron, Jr.  Rabnera W. Burton, Jr.  Rabnera W. McCutcheon Griffin  Burtharn Hente  Gladys Mose Huffman  Con Knicolaty  Rabnera McCutcheon Marin:  Rabnera McCutcheon Painter  Janie Mills  Bull Moss  Ceal Moss  Ceal Moss  Jasen Neer  Janie Mills  Janie Mill	OWN Production Company, LLC	%00.8c	47/521
W. Comad Worlf Donna Zingler Esward Zingler Karen D. Staller Ramon D. Staller Rebecas Smith Cornad Rebrocas Smith Cornad Rebrocas Smith Cornad Reprincia Mice Devim Abequeline Alice Devim Abequeline Alice Devim Abequeline Alice Devim Abequeline Alice Devim Rebecas K. McCutchson Griffin Barbara Hendre Gladys Moss Huffman Oor Kristaley Ruth Ann Kristaley Strike Moss Lackhart Barbara Meccutcheon Marin Rebert J. McCullagh, III Advance McCutcheon Alice Milloss Heriol Moss Her	SWM Production Company, LLC	18.00%	46/453
Periodian vention of the control of		8000	007/14
Edward Zlegier Karon D. Statifier Bearine Miss Bossow Mishes W. Burton, Jr. Rebesse Smith Cornad Raymond Evan Davin Jacquine Alice Davin Jacquine Alice Davin Sarbara Hang Glady Mass Hufman Oon Knicoley Ruth Am Knicoley Shrifey Mass Leckharf Berbara McCutcheon Marin Robert J. McCullagh, III Andrew McCutcheon, Marin Robert J. McCullagh, III Andrew McCutcheon, Marin Robert J. McCutcheon, Marin Robert J. McCutcheon Marin Robert J. McCutcheon Smith Reson Neer Joseth Moss Harold Moss Harold Moss Rebert J. McCutcheon Smith Bartan Mass Thom Marit Miss McCutcheon Smith Bartan Mass Thom Jones Wilders Jason Neer Jones Wilders Stratton Bartan McCutcheon Smith Bartan M Signifier Jones Wilders	SWN Production Company, LLC	18.00%	477730
Edward Logger Karnar D. Straffer Beatne Wass Boesow Michael W. Burbon Michael W. Burbon Arburu J. Davilia Arburu J. Davilia Arburu J. Davilia Arburu J. Davilia Berboca Smith Cornad Raymond Evan Davis Arburu J. Davilia Arburu J. Davilia Berboca Smith Cornad Raboca Smith Cornad Raboca Smith Cornad Raboca Smith Cornad Raboca Smith Cornad Rabora Mess Huffman Oor Koloteley Ruth Arm Krilcoley Armine Miller Butta M. Santit Torbert Denies Villers Gay Paul Villers Silven Millers Silven Millers Silven Millers Silven Millers Silven Millers Silven Millers			211111
Beathree Moss Boseow Michael W. Button Michael W. Button Michael W. Button Michael W. Button Advisor a bavis Beathare a bavis Gladys Moss Huffman Don Knicolety Ruth Am Knicolety Ruth Maccultation Beathare McCuttheon Beathare McCuttheon III Andrew McCuttheon III Rhote Moss Cack Moss Hand Moss Robert J. McCuttheon Button Michael Moss Robert Moss Hand Moss Robert Moss Robert Moss Hand Moss Robert Mos Robert Moss Robert Moss Robert Moss Robert Moss Robert Moss Rob	SWN Production Company, LLC	18.00%	46/284
Michael W. Burkon Michael W. Burkon, Jr. Rebocca Smith Cornad Regimend Evan Davis Arthur J. Davlin Jacquelina Alice Davin Rebecca K. McCutheon Griffin Barbara Hente Glasys Mocutheon Marin Rebect J. McCulleby, III Androw McCutheon Marin Robert J. McCulleby, III Androw McCutheon Marin Robert J. McCulleby, III Androw McCutheon Bill Moss Glasy McCutheon Bill Moss Harold Moss Haro	SWN Production Company, LLC	16,00%	45/244
Michael W, Burton, Jr. Rebaceus Knill Cornad Raymond Evan Davis Arthur J, Davilin Jacquelina Alice Devin Rebaceus McCutchaero Griffin Barbara Hente Gladys Moss Huffman Cladys Moss Huffman Con Knicelety Ruth Arm Kritosley Shiftey Moss Lockharf Barbara McCutcheon Robert J, McCutcheon Julie Mills Burton Neer Juson Neer Jason	SWN Production Company, LLC	18.00%	48/513
Rebocca Smith Corrad Raymond Earn Davis Arthur, J. Davilin Jacqualina Alice Davilin Rebecca K. McCulcheon Griffin Barbara Hambe Gladys Noss Huffman Gladys Noss Huffman Oor Knicoley Ruth Am Rocullagh, III Andrew McCulcheon Martin Robert J. McCulcheon, Mill Rhota McCulcheon, III Rhota McCulcheon Painter Jason Noer Jason	SWN Production Company, LLC	18.00%	50/18
Arthur J. Davis Arthur J. Davis Arthur J. Davin Jacqueline Alice Davin Barbara Hente Gladys Mess Huffman Om Knicoley Shirity Mess Huffman Om Knicoley Shirity Mess Lickhari Barbara McCultahon Anticoley Shirity Mess Lickhari Barbara McCultahon Robert J. McCultahon Robert J. McCultahon Robert J. McCultahon Alice Millor Bill Moss Cacl Moss Harold Moss Harold Moss Harold Moss Marit Moss Shorn Near John Welland Alice Moss Robert Moss Jason Mess Jason Mess Jason Moss Jason M	SWN Production Company, LLC	18.00%	48/194
Acturu d. Davlin Jacqualine Alice Davlin Rebecca K. McCutcheon Griffin Barbara Hento Gladys Moss Huffman Don Knoledy Ruth Alm Krickledy Shiftey Moss Lockhart Barbara McCutcheon Marfin: Robert J. McCutcheon III Robert J. McCutcheon III Robert J. McCutcheon III Robert J. McCutcheon III Robert Moss Cacl Moss Harold Moss Mark Moss Robert Moss Harold Moss Mark Moss Robert Moss Assis Holen Davlin Noffing Jacustion Neer Denise Nicholson Assis Holen Davlin Noffing Jacustion Neer Jacquiston Moss Moss Trom Marsha M. Smith Torbert Denise Villers Syston Moss Whilden Delays Whilden	SWN Production Company, LLC	18.00%	46/416
Rabacca K McQutcheon Griffin Barbara Harman Gladys Mess Huffman Gladys Mess Huffman Orn Knicaley Ruth Ann Knicaley Shitley Mess Lockhart Barbara McCutcheon Martin Robert J, McCutcheon Martin Robert J, McCutcheon, III Rhata McCutcheon Painter Glill Moss Geort Moss Hariold Moss Mark Moss Alexis Holen Davith Norling Jaminish L, McCutcheon Painter Jonathon Neer Jonathon	SWN Production Company, LLC	18.00%	48/764
Rebecea K, McCulcheon Griffin Barbara Hante Gladys Moss Huffman Den Kniceley Shirtey Moss Lockhard Barbara McCutcheon Marfin Robert J, McCutcheon Marfin Rhore McCutcheon Robert J, McCutcheon Robert J, McCutcheon Robert Moss Bill Moss Glad Moss Hariold Moss Hariold Moss Robert Moss Sharon Neer Jonathon Neer Jonathon Neer Jonathon Neer Jonathon Neer Jonathon Mess Robert Moss Jason Neer Jonathon Shirte Jonathon Shirte Jonathon Shirte Allison M. Risko Risko Resea McCutcheon Smith Bart Satre Terese A. Straten Denis Villers Sullers Jour Paul Villers Sharon Moss Whilden Denis Willers Sharon Moss Whilden	SWN Production Company, LLC	18.00%	47/209
Gladya Moss Huffman Gladya Moss Huffman Don Kniceley Shitely Moss Lockhart Barbara McCutcheon Martin Robert J. McCutcheon Robert Moss Glad Moss Glad Moss Grade Moss Hariold Moss January January Hariold Moss January Hariold Moss January January Hariold Moss January	SWN Production Company, LLC	18,00%	45/309
Gladys Moss Huffman  Gladys Moss Huffman  Don Kniceley  Ruth Am Kriceley  Ruth Am Kriceley  Ruth Am Kriceley  Shiriey Moss Lockhart  Berbara McCutcheon Marfin  Robert J. McCutcheon  Robert J. McCutcheon  Ruthe Miller  Bill Moss  Geol Moss  Harold Moss  Harold Moss  Robert Moss  Jason Neer  Johnston Neer  Johnston Neer  Johnston Neer  Johnston Mers  Jason Neer  Johnston Mers  Jason Smith  Risko  Lee Am Santos  Vanossa McCutcheon Smith  Brent Santos  Vanossa McCutcheon Smith  Brent Sate  Tores A Stratton  Barbara Moss Thom  Marsha M. Smith Torbert  Denise Villers  Gay Paul Villers  Johnse Villers  Gay Paul Villers  Sharon Moss Whilden  Denise Villers  Sharon Moss Whilden  Denise Villers  Sharon Moss Whilden  Denise Villers  Sharon Moss Whilden	SWN Production Company, LLC	18.00%	49/410
Ruth Ann Knicoley Shirley Moss Lockhard Barbara McCutcheon Martin Robert J. McCullagh, III Andrew McCutcheon, III Rhata McCutcheon Julie Miller Bill Moss Gall Moss Harold M	SWN Production Company, LLC	18,00%	47/221
Ruth Am Knicoley Shitely Moss Lockhart Bandara McCutcheon Martin Robert J. McCutcheon Martin Robert J. McCutcheon Robert J. McCutcheon Ruther McCutcheon Julie Miller Bill Moss Cect Moss Harold Moss	SWN Production Company, LLC	18.00%	477294
Shirley Moss Lockhart Barbara McCutcheon Martin Robert J. McCutcheon, III Rhata McCutcheon, III Rhata McCutcheon, III Rhata McCutcheon Julie Millor Bill Moss Gecil Moss Harold Moss Harold Moss Harold Moss Harold Moss Abson Neer Jonathon Nee	SWN Production Company, LLC	18.00%	47/300
Banbara McCutcheon Martin Robert J. McCutcheon III Andrew McCutcheon Robert J. McCutcheon Robert J. McCutcheon Julie Miller Bull Moss Ceel Moss Harold Moss Harold Moss Harold Moss Harold Moss Harold Moss Alaxis Halen Devlin Norling Janthon Neer Jonathon	SWIN Production Company, LLC	18,00%	46/447
Andrew McCutcheon Robert J. McCutcheon Robert J. McCutcheon Julie Miller Bill Moss Cell Moss Harold Mo	SWN Production Company, LLC	18.00%	45/314
Robert A. McCutcheon, III Rhota McCutcheon, III Rhota McCutcheon Julie Miller Bill Moss Ceell Moss Haciold Moss Haciold Moss Haciold Moss Haciold Moss Haciold Moss Haciold Moss Jason Neer Jonathon Merk Jennifer L. McCutcheon Painter Allison M. Risko Elizabeth Risko Paul Risko Lee Arm Santos Vanessa McCutcheon Smith Brent State Teresa A. Stratton Marsha M. Smith Torbert Denise Villers Guy Paul Villers Jelf Villers Sharon Moss Whilden	SWN Production Company, LLC	18.00%	45/707
Rhata McCutcheon Julie Miller Bull Moss Cecl Moss Cecl Moss Hatold Moss Jason Neer Jonathon Neer Jonathon Neer Jonathon Neer Jonathon Neer Jonathon Neer Jonathon Merk McCutcheon Painter Allison M. Risko Elizabeth Risko Lee Arn Santos* Vanesse McCutcheon Smith Brent State Terese A. Stratton Marsha M. Smith Torbert Denise Villers Juliers Juliers Juliers Juliers Juliers Juliers Juliers Juliers Sharon Moss Whilden	SWIN Production Company, LLC	18,00%	48/33
Julia Miller  Julia Miller  Bill Moss  Cacil Moss  Harold Moss  Jason Neer  Johnston Neer  Johnston Neer  Johnston Neer  Johnston Neer  Johnston Neer  Jenifer L. McCulcheon Painter  Alison M. Risko  Elizabeth Risko  Elizabeth Risko  Paul Risko  Paul Risko  Paul Risko  Lee Ann Santos  Vanessa McCulcheon Smith  Brent State  Tenesa A. Stratton  Marsina M. Smith Torbert  Denise Villers  Jeff Villers  Jeff Villers  Schor Whilden  Delva Whilden	SWN Production Company, LLC	18.00%	48/61
Bill Moss Cacil Moss Harold Moss Harold Moss Mark Moss Rebert Moss Jason Neer Jonathon Neer Jonathon Neer Jonathon Neer Jonathon Neer Jonathon Neer Jonathon Neer Jason Neer Jonathon Neer Jason Neer Jonathon Neer Jason McLutcheon Painter Allison M. Risko Elizaban Risko Elizaban Risko Paul Risko Paul Risko Lee Ann Santos Vanessa McCutcheon Smith Brent State Teresa A. Stratton Marsha M. Smith Torbert Denise Villers Jeff Villers Santon Moss Whilden Delise Villers School Marsha Miller	SWM Production Company, LLC	18,00%	47/503
Ceci Moss Harold Moss Harold Moss Mark Moss Rebert Moss Separation Neer John Town Alexis Holen Devlin Norling Jennifer L. McCutcheon Painter Allison M. Risko Elizabeth Risko Paul Risko Paul Risko Paul Risko Lee Ann Santos Vanessa McCutcheon Smith Brent State Teresa A. Stratton Barbara Moss Thom Marsha M. Smith Torbert Denies Villers Jeff Villers Jeff Villers Sheron Moss Whilden	SWM Production Company, LLC	18,00%	46/278
Harold Moss Mark Moss Rebert Moss Pason Neer John Neer J	SWN Production Company, LLC	18,00%	46/254
Mark Moss Rebert Moss Jason Neer Johanton Neer Johanton Neer Johanten Histor Elizabeth Risko Elizabeth Risko Paul Risko Jee Ann Santos* Vanessa McCutcheon Smith Brent State Teres A. Stratton Marsha M. Smith Torbert Denies Villers Jeff Villers Sharon Moss Whilden Daksa Whilden	SWN Production Company, LLC	18,00%	47/306
Robert Moss Jason Neer John Neer John Neer John Neer John Norling Jennifer L. McCutcheon Painter Alison M. Risko Flizabeth Risko Paul Risko Paul Risko Paul Risko Paul Risko Paul Risko Lee Ann Santos Vanessa McCutcheon Smith Brent State Trees A. Stratton Marsha M. Smith Torbert Denies Villers John Villers John Whilden Daksa Whilden	SWN Production Company, LLC	18.00%	45/266
Jason Neer Jonathon Neer Denies Nicholson Alexis Holen Devilin Norling Jennifer L. McCutcheon Painter Allison M. Risko Elizabeth Risko Paul Risko Lee Ant Risko Lee Antantos' Vanessa McCutcheon Smith Brent State Terese A. Stratton Marsha M. Smith Torbert Denies Villers Guy Paul Villers Jeff Villers Shenn Moss Whilden	SWN Production Company, LLC	18.00%	46/350
Jonathon Neer  Denise Nicholan  Alevis Holen Devilin Morling Jennifer L. McCutcheon Painter  Allison M. Risko Elizabeth Risko Paul Risko Lee Arm Santos' Vanessa McCutcheon Smith Brent State Teresa A. Stratton Marsha M. Smith Torbert Denise Villers Guy Paul Villers Shenn Moss Whilden Chekna Wilens Shenn Moss Whilden	SWN Production Company, LLC	18.00%	47/191
Advise Nichtban Advise Holen Devilin Norling Jennifier L. McCutcheon Painter Allison M. Risko Elizabeth Risko Paul Risko Lee Arn Santos* Vanesse McCutcheon Smith Brent State Terese A. Stratton Marshe M. Sant Torbert Denise Villers Guy Paul Villers Shenn Mos Whilden Sheken Mos Whilden	SWN Production Company, LLC	18,00%	46/272
Jennifor L. McCutcheon Painter Allison M. Risko Elizabeth Risko Paul Risko Lee Ann Santos Vanesse McCutcheon Smith Brent State Terese A. Stratton Marsten M. Smith Torbert Denise Villers Guy Paul Villers Shenon Moss Whitden Cheksa Whitden	SWM Production Company, LLC	18.00%	48/89
Alisan M Risko Elizabeth Risko Paul Risko Lee Ann Santos* Vanessa McCutzheon Smith Brent State Terese A Stratton Marsha M. Smith Torbert Denise Villers Guy Paul Villers Clay Paul Villers Sharm Moss Whilden Dake Miles	SWN Production Company, LLC	18,00%	48/344
Elizabeth Risko Paul Risko Lee Ann Santos* Vanessa McCutcheon Smith Brent State Terese A. Stratton Barbara Moss Thom Marsha M. Smith Torbert Denise Villers Guy Paul Villers Jeff Villers Sheron Moss Whilden Derkey Whilden	SWN Production Company, LLC	18.00%	47/831
Paul Risko Lee Ann Santos' Vanessa McCutcheon Smith Brent State Terese A Stretton Barbara Moss Thom Marsha M. Smith Torbert Denise Villers Guy Paul Villers Jeff Villers Sheron Moss Whilden Sheka Whilden	SWN Production Company, LLC	18.00%	47/619
Lee Ann Santos Vanessa McCutcheon Smith British Sate Teresa A Stratton Barbara Moss Thom Marsha M. Smith Torbert Denise Villers Guy Paul Villers Jeff Villers Sherom Moss Whilden Cheksa Whilden	SWN Production Company, LLC	18.00%	50/30
Variessa wiccurcheon smirn Barbara Moss Thom Marsha M. Smith Torbert Denise Villers Guy Paul Villers Jeff Villers Sherom Moss Whilden Cheksa Wilden	SWN Production Company, LLC	A'N	MA
Tereste Astration Tereste Astration Barbara Moss Thom Marsha M. Smith Torbert Denise Villers Guy Paul Villers Jeff Villers Sheron Moss Whilden Deleva Wilson	SWN Production Company, LLC	18.00%	47/509
Barbara Moss Tromen Marsha M. Smith Torbert Denise Villers Guy Paul Villers Jeff Villers Shenon Moss Whilden Deleva Wilson	SAWN Production Company, LLC	18.00%	50/24
Marsha M. Smith Torbert Denise Villers Guy Paul Villers Jeff Villers Shenon Moss Whilden Deleva Wilson	SWN Production Company, LLC	18.00%	47000
Denise Villers Guy Paul Villers Jeff Villers Shenon Moss Whilden Deleva Wilson	SWN Production Company, LLC	18.00%	47/197
Guy Paul Villers Jeff Villers Shenon Moss Whitden Debra Wilson	SWN Production Company, LLC	18.00%	47/515
Jeff Villers Sharon Moss Whilden Debra Wilson	SWN Production Company, LLC	18,00%	47/601
Sharon Moss Whilden Debra Wilenn	SWN Production Company, LLC	18.00%	47/521
	SWN Production Company, LLC	18,00%	46/453
M. Proceed Marie	SWN Production Company, LLC	18.00%	47/288
W. Lonaid World	SWN Production Company, LLC	18,00%	47/730

AUG 2 6 2020

EXHIBIT A
Attached to and made a part of the State of West Virginia Oil and Gas Permit Form, WW-6A1, by SWN Production Company, LLC, as Operaton Brian Teslovich BRR 201H

Brian Testovich BRK 201H	Brooke County, West Virginia	

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48/284	411738	46/513	50/18	46/194	48/764	47/209	45/309	49/410	47/221	47/294	47/300	48/447	45/314	45/531	47/257	42/238	46/278	48/254	46/260	47/306	48/266	45/191	46/272	48/88	46/465	46/344	47/619	50/30	NVA	5003	45/519	47/227	47/197	47/515	47/524	46/453	47/288	47/730	47/215	46/284	110/01	16/671	16/665	16/683	10/000	47/312
18.00%	0,00.01	18.00%	18.00%	800.00 800.00	18 00%	18,00%	18.00%	18,00%	18,00%	18,00%	18.00%	18,00%	18.00%	18,00%	18.00%	9,000	18.00%	18,00%	18,00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	NIA	18.00%	18.00%	18.00%	18.00%	18.00%	18,00%	18.00%	18.00%	18,00%	18.00%	18.00%	a nonoi	18%	18%	18%	10701	18%
SWN Production Company, LLC SWN Production Company, LLC	SAVIA PROGRESSON Company, the	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, L.C.	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWIN Production Company, LLC	SWN Production Company, LLC.	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LLC	SWM Production Company, LEC	SWN Production Company, LLC	SWAY Production Company, LLC	SWN Production Company, LLC	SWM Production Company, LLC	SWN Production Company, LLC	SWN Production Company, LEC	SWN Production Company, LLC												
Edward Ziegler John W. Coen, Jr. Beatrice Moss Bassow	Describe index prescow	Michael W. Burton	Michael W. Burton, Jr.	Reveece Smith Contag	Arthur J. Devin	Jacqueline Alice Deviin	Rebecca K. McCutcheon Griffin	Barbara Hente	Gladys Moss Huffman	Don Kniceley	Ruth Ann Kniceley	Shirley Moss Lockharl	Barbara McCutcheon Martin	Robert J. McCullegh, III	Andrew McCutcheon	Dhear McCuirnean, III	Visita Miler	Bill Moss	Cecil Moss	Harold Moss	Mark Moss	Asson Neer	Jonathon Meer	Denise Nicholson	Alexis Helen Devlin Norling	Jennire L. McLuicheon Painter Allison M Risko	Elizabeth Risko	Paul Risko	Lee Ann Santos*	Vanessa Mccutoneon omitti	Teresa A. Stratton	Barbara Moss Thorn	Marsha M. Smith Torbert	Denise VIllers	Coly Patrick	Sharon Moss Whilden	Debra Wilson	W. Donald Wolff	Donna Ziegier	Edward Ziegler Loden   Longston and Bohosse V   Commission	Tailey of Lettasiers and represents p. Estimatery	Harley J. Lemasters and Rebecca K. Lemasters	Harley J. Lemasfors and Rebecca K. Lemastors	Harley J. Lemasters and Rebecca K. Lemasters Harley I I emosters and Rebecca K I emosters	Harley J. Lemasters and Repecca h. Lemisopera	Beverly Baker
3-836G-11	N. 50000																												En		UG	2	6	2	02	0		2		2 0200 24	of page of	3-836G-42	3-836G-43	3-836G-44		1-BB36-23.1
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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 201H
Brooke County, West Virginia

		Clayton M. Bane	SWN Production Company, LLC	18%	47/278
		Doris Ann Matthews Rogus	SWN Production Company, LLC	18%	49/88
_		James Miller Matthews	SWN Production Company, LLC	18%	49/494
_		Jean E Matthews Gressly	SWN Production Company, LLC	18%	49/491
		Susan M. Pease	SWN Production Company, LLC	18%	49/421
		Bounty Minerals, LLC	SWN Production Company, LLC	18%	43/278
23	3-831-81	Karen Binswanger, married, dealing herein with her separate property	SWN Production Company, LLC	場でし	41/690
_		Peter Brade, married, dealing hereing with his separate property	SWN Production Company, LLC	24%	42/19
		George Diehf II, married, dealing hereing with his separate property	SWN Production Company, LLC	14%	41/770
		James Diehl, single	SWN Production Company, LLC	14%	41/788
		Lawrence B. Lane, married, dealing herein with his separate property	SWN Production Company, LLC	14%	42/43
		Ray E. Lane, married, dealing herein with his separate property	SWN Production Company, LLC	14%	41/696
		Bobette McCormick, married, dealing horein with her separate peoperty	SWN Production Company, LLC.	14%	41/202
		Dennis Stroh, married, dealing herein with his separate properly	SWN Production Company, LLC	14%	40/177
_		SWN Production Company, LLC (Company owned minerals).	SWN Production Company, ILC	N/A	385/560
		SWN Production Company, LLC (Company owned minerals)	SW/N Production Company, LLC	N/A	384/377
24	3-831-82	Bernard J. Lombard, III.	SWN Production Company, LLC	18%	36/302
25	1-8831-58	Robert James McCullagh III	SWN Production Company, LLC	18%	45/769
28	1-8831-59	James B. Mclean and Cynthia S. Mcloan	SWN Production Company, LLC	18%	42/814
	1-8831-60	Theresa Ann McCloud	SWN Production Company, LLC	18%	58/65
		Estate of Donald L. McCloud	SWN Production Company, LLC	18%	50/760
		Susan Marie Stevens	SWN Production Company, LLC	18%	57/852
-		Michael McCloud	SWN Production Company, LLC	18%	57/670
28	1-8831-61	Theresa Ann McCloud	SWN Production Company, LLC	18%	58/65
		Estate of Donald L. McCloud	SWN Production Company, LLC	18%	50/760
		Susan Marie Stevens	SWN Production Company, LLC	18%	57/652
		Michael McCloud	SWN Production Company, LLC	18%	57/670
29	1-8831-62	Michael D. McAbee	SWN Production Company, LLC	18%	49/178
30	Brooke Co. Rt. 2	ROW Only			
31	1-8831-2	Brownlee Land Ventures, L.R.	SWN Production Company, LLC	18%	48/610
32	3-827-11	West Virginia Department of Transportation, Division of Highways	SWN Production Company, LLC	20%	53/18
33	1-8B31-1	David G. Viderman and Linda J.R. Viderman	SWN Production Company, LLC	18%	49/102
34	Ohio River	34 Ohlo River State of West Virginia Department of Commisco, Division of Natural Resources SWNN Production Company, LLC	SWIN Production Company, LLC	20%	55/479

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WV Department of Environmental Protection

AUG 2 6 2020



4 750 0 0 0 0 0 3 p 2 y 3 1 0 1300 Fort Plerpont Dr. Ste 201 Morgantown, WV 26508 Tel: 304 884 1610 Fax: 304 471 2497 www.swn.com

July 28, 2020

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

**RE:** SWN's proposed New Well: Brian Teslovich BRK 201H in Brooke County, West Virginia, Drilling under 4576 WV-2, McCord Hill Road, Apple Pie Ridge Road, and Apple Avenue.

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, Apple Pie Ridge Road, and Apple Avenue. Please be advised that SWN has leased all mineral owners under said route as it relates to the above-referenced well and unit.

Thank you.

Sincerely,

Gary Nuckolls Staff Landman SWN Production Company, LLC

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Office of Oil and Gas.

AUG 2 6 2020

WV Department of Environmental Protection

RL WY

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

Date of Noti	e Certification: X (35)		API No. 4	7- 009 -
			Operator's	Well No. Brian Teslovich BRK 201H
			Well Pad	Name: Brian Teslovich BRK
Notice has	een given:			
	e provisions in West Virginia Code § tract of land as follows:	22-6A, the Operator has pro	wided the re-	quired parties with the Notice Forms listed
State:	West Virginia	1.75 / 3 / 4 / 5 / 07	Easting:	531,204.820
County:	009- Brooke	UTM NAD 83	Northing:	4,451,863.605
District:	Buffalo	Public Road Ac	cess:	McCord Hill Road
DISTIFICE.				
Quadrangle:	Tiltonsville	Generally used t	farm name;	Brian Teslovich

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 Option that the Operator has properly served the require *PLEASE CHECK ALL THAT APPLY	perator has attached proof to this Notice Certification and parties with the following:	OOG OFFICE USE ONLY
☐ II. NOTICE OF SEISMIC ACTIVITY or	NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED	RECEIVED/ NOT REQUIRED
2. NOTICE OF ENTRY FOR PLAT SURV	VEY or ☐ NO PLAT SURVEY WAS CONDUCTED	☐ RECEIVED
3. NOTICE OF INTENT TO DRILL or	□ NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED OF	RECEIVED/ NOT REQUIRED
	☐ WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)	
■ 4. NOTICE OF PLANNED OPERATION		☐ RECEIVED
5. PUBLIC NOTICE		T 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 affidation of Service, the return receipt card or other postal receipt for certified mailing.

AUG 2 6 2020

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

By:

Brittany Woody

Its:

Senior Regulatory Analy

Telephone:

304-884-1610

ddress:

1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Haesimile:

304-884-1690

Hmail:

Brittany\_Woody@swn.com

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

Notary Public

My Commission Expires

Oil and Gas Privacy Notice:

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

Office of Oil and Gas

AUG 2 6 2020

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

Not	ice Time Requirem	ent: notice shall be provid	ed no later tha	in the filing date of permit application.	
	e of Notice: 1517 lice of:	Date Permit Applicati	on Filed: 🎢	spu	
Ø	PERMIT FOR AN WELL WORK			ROVAL FOR THE AN IMPOUNDMENT OR PIT	
Del	ivery method pursu	ant to West Virginia Cod	le § 22-6A-10	(b)	
	PERSONAL SERVICE	REGISTERED MAIL		OD OF DELIVERY THAT REQUIRES A PT OR SIGNATURE CONFIRMATION	
the soll a descoper more well improve prove prove prove Cod	surface of the tract on and gas leasehold bein tribed in the erosion at rator or lessee, in the eye coal seams; (4) The work, if the surface to boundment or pit as desire a water well, spring or de water for consumposed well work activitient to the sheriff requision of the sheriff requision of this article to e R. § 35-8-5.7.a requirements of the sheriff requision of the sheriff requirements.	which the well is or is prop- g developed by the proposed and sediment control plan sub- event the tract of land on who owners of record of the surf- ract is to be used for the pla- scribed in section nine of the or water supply source locat ption by humans or domesti- ty is to take place. (c)(1) If no on hold interests in the land fired to be maintained pursua- the contrary, notice to a lier- uites, in part, that the operat	osed to be local dwell work, if bmitted pursua sich the well profese tract or tracement, construis article; (5) A sed within one canimals; and more than threats, the applicant to section en holder is not or shall also profesed within the section en holder is not or shall also profesed within the section en holder is not or shall also profesed within the section en holder is not or shall also profesed within the section en holder is not or shall also profesed within the section en holder is not tracket.	the well plat to each of the following persons: (1) The sted; (2) The owners of record of the surface tract or the surface tract is to be used for roads or other land into subsection (c), section seven of this article; (3) opposed to be drilled is located [sic] is known to be used to be drilled is located [sic] is known to be used overlying the oil and gas leasehold being developation, enlargement, alteration, repair, removal or about surface owner or water purveyor who is known to thousand five hundred feet of the center of the well provided the operator of any natural gas storage field wite tenants in common or other co-owners of interests at may serve the documents required upon the person light, article one, chapter eleven-a of this code. (2) Notice to a lundowner, unless the lien holder is the later of the Well Site Safety Plan ("WSSP") to the surface provided in section 15 of this rule.	tracts overlying the disturbance as. The coal owner, inderlain by one or ped by the proposed candonment of any other applicant to pad which is used to hin which the described in the lotwithstanding any andowner. W. Va.
				☑ Well Plat Notice is hereby provided to:	
Z SU Naπ Add	JRFACE OWNER(s ne: Brian L Teslovich ress: 211 Sunset Drive			COAL OWNER OR LESSEE Name: Windsor Coal Company Address: 1000 Consol Energy Drive	
Nan				Canonsburg, PA 15317  COAL OPERATOR  Name:	
Nan Add	ress:	) (Road and/or Other Distu	irbance)	Address:  SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s) Name: See Attachment 13	
Add	ress:			Address:  OPERATOR OF ANY NATURAL GAS STO	
Nam	ie:	(Impoundments or Pits)		Name:Address:	RECEIVED Office of Oil and Gas
Add				*Please attach additional forms if necessary	AUG 2 6 2020

#### 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.

Office of United Sps

#### 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 confidence of this article; and (3) the well plan required by section seven of this article; and (3) the well plan

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

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

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

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 35304 (304-926-0450) or by visiting <a href="https://www.dep.wy.gow.nil-uni-pages/default-aspx">www.dep.wy.gow.nil-uni-pages/default-aspx</a>.

#### Well Location Restrictions

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any custing 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 mout 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 take or reservoir, the distance shall be measured from the boundary of the take or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may. in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article, (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items.

examined in the study required by this subsection; the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and votatile 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 (h) 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 prealigration 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 rime 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 Virgima Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Office of Offic

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

AUG 2 6 2020

WV Department of Environmental Froteguen

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

#### Time Limits and Methods for Filing Comments.

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

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

#### Comment Requirements

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

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

#### Permit Denial or Condition

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

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

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

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

Office of Oil and Gas

AUG 2 6 2020

WW-6A (8-13)

Notice is hereby given by: Well Operator; SWN Production Co., LLC

Telephone: 304-884-1610

Email: Brittany\_Woody@swn.com

TO HOWY WOODLY

API NO. 47-009

OPERATOR WELL NO. Brian Teslovich BRK 201H
Well Pad Name: Brian Teslovich BRK

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

#### Oil and Gas Privacy Notice:

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at deprivacy officer \(\tilde{u}\) wy.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 leth day of July, 2020.

Notary Public

My Commission Expires 1- H

Office of Oil and Gas

AUG 2 6 2020

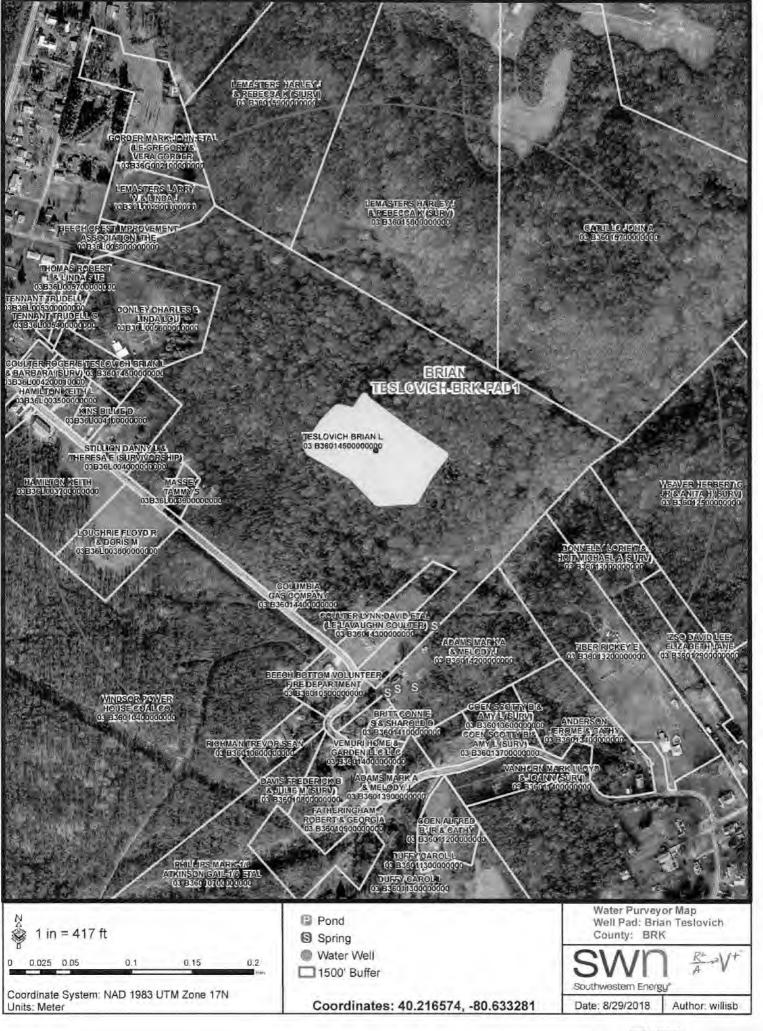
Attachment 13

4700900323

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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
03B36L004200000000	COULTER STANLEY E & JOYCE	5108 APPLE PIE RIDGE RD	WELLSBURG	WV	26070	1

Office of Oil and Gas

AUG 2 6 2020



RECEIVED
Office of Oil and Gas

AUG 2 6 2020

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

entry Date of Not			vided at least SEVEN (7) on named Entry: 3/4/2020	als our no more m	a (Sactorite	(-15) days prior to
Delivery me	thed norsean	to West Virginia C				
_	and puranant	to meat might C	one 8 42-0M-108			
☐ PERSO	NAL I	REGISTERED	☐ METHOD OF DE	LIVERY THAT R	EQUIRES A	
SERVI	CE	MAIL		NATURE CONFI		
but no more beneath such bowner of mir and Sedimen Secretary, when able the su	than forty-five of than forty-five of tract that has fi nerals underlyin t Control Manu- hich statement s rface owner to	duct any plat survey: days prior to such ent fled a declaration pur g such tract in the co al and the statutes an thall include contact obtain copies from th	Prior to filing a permit apply a required pursuant to this try to: (1) The surface own suant to section thirty-six, unity tax records. The notion trules related to oil and ginformation, including the e secretary.	article. Such notice er of such fract; (2) article six, chapter ce shall include a st as exploration and t	shall be provided:  to any owner or le  twenty-two of this tatement that copie production may be	ar least seven days ssee of coal seams code; and (3) any s of the state Brosion obtained from the
votice is her	reby provided i	0:				
SURFA	CE OWNER(s)		■ CO/	L OWNER OR LE	ESSEE	
Name: Bhan L				O Learnerwood, Inc. Allin. (	a-pa-year	
Address: 411			Address:	1000 Consol Energy Drive		_
elle Vertion, PA.	15012		Canonsburg	PA 15317		PECEIVED.
lame:			<b>H</b>	A 1 6 627 1 35 V II		Office of Cit and 3
Address:			A contract of the contract of	ERAL OWNER(s)		AURIA CIANA
ame:				ian L. Teslovion		AUG 2 6 2020
ddress:				411 Sanset Drive		- 121.16
1000 635			Bale Vernon	, PA 15012 ch additional forms if ne		WV Desurtment a Environmental Protes
ursuant to W	reby given: Vest Virginia Co on the tract of L Wast Virginia	ode § 22-6A-10(a), n and as follows:	otice is hereby given that t	ne undersigned wel	l operator is planni	ng entry to conduct
ounty:	Brooke		Public Road		Apple Pie Pidge	
istrict:	Buttelo		Watershed:	77.110	Lower Buffalo Creek	
uadrangle:	Tillonsville		Generally us	ed farm name:	Brian Teslovich	
nay be obtain Charleston, W	red from the Se VV 25304 (304	cretary, at the WV D -926-0450). Copies	Manual and the statutes ar epartment of Environment of such documents or addi www.mov/oll-and-gas pages	al Protection headquional information r	uarters, located at t	501 571 Street SE
ell Operato	reby given by		234	A.C. Common of the		
THE R. P. LEWIS CO., LANSING, S. LEWIS CO., L		TON COMPANY, LLC	Address:	1300 For: Plarpent Dr.,		
	STATE STATE OF THE					
elephone: mail:	304-884-1810 brittany_woody@		Facsimile	Morgantown, WV 28508 304-884-1690	3	

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 deportive conflices favor gov

#### 4700900323

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

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

Notice Time Date of Noti	Requirement; Notice shall be p	rovided at least TEN (10) days prior to viling Date Permit Application Filed:	permit application.	
Delivery me	thod pursuant to West Virginia	Code § 22-6A-16(b)		
HAND	CERTIFIED M.	AII		
DELIVI		EIPT REQUESTED		
receipt reque drilling a hor of this subsec- subsection in and if availab	sted or hand delivery, give the su izontal well: Provided, That not tion as of the date the notice was ay be waived in writing by the su	ast ten days prior to filing a permit application rface owner notice of its intent to enter upon tice given pursuant to subsection (a), section to provided to the surface owner: Provided, hourage owner. The notice, if required, shall include mail address of the operator and the operator.	the surface owner's land en of this article satisfies wever. That the notice re- dude the name, address, to	for the purpose of s the requirements quirements of this elephone number
Name: Briant.	Teslovich	Name;		
				-
Address: 211		Address;		
Notice is he Pursuant to V	reby given: Vest Virginia Code § 22-6A-16(b	(), notice is licreby given that the undersigned	well operator has an in	tent to enter upon
Notice is he Pursuant to V the surface or State: County: District: Quadrangle:	reby given: Vest Virginia Code § 22-6A-16(byner's land for the purpose of dri West Virginia Brooke Buffalo Tittonsville		well operator has an ini bllows: 531,204 820 4,451,863.605 McCord Hill Road Brian Testovich BRK	tent to enter upon
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#### 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 deponioscynfficer@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.

Date of Aou	Requirement: Notice shall be provided a ce: 07/20/2020 Date Pe	rmit Application Filed:	3/Curre approcaum	
Delivery me	thod pursuant to West Virginia Code §	22-6A-16(b)		
☐ HAND	a central such			
	■ CERTIFIED MAIL	sala tude		
DELIV	RY RETURN RECEIPT RE	QUESTED		
receipt reque drilling a hor of this subsection m	V. Va. Code § 22-6A-16(b), at least ten da sted or hand delivery, give the surface ow izontal well: Provided, That notice giver tion as of the date the notice was provide ay be waived in writing by the surface ow the, facsimile number and electronic mail a	ner notice of its intent to enter upon a pursuant to subsection (a), section to d to the surface owner: <i>Provided, his</i> ner. The notice, if required, shall inc	the surface owner's fand on of this article satisfie wever, That the notice re dude the name, address,	for the purpose of is the requirements equirements of this telephone number.
	reby provided to the SURFACE OV	The state of the s		
Vame: Whoso		Name:		_
Address: 1900 Canonsburg, PA	Consol Energy Drive	Address:		
state: Lounty: District:	West Virginia Brooke Buffalo	UTM NAD 83 Basting: Northing: Public Road Access:	531 204.820 4.451.863.005 McCord Hill Road	
)undrangle:	Tiltansville	Generally used farm name:	Brian Teslovich BRK	
	Grog Run			
Vatershed:				
This Notice Pursuant to Vincsimile nur elated to hor	Shall Include: Vest Virginia Code § 22-6A-16(b), this ther and electronic mail address of the sizontal drilling may be obtained from the 57" Street, SE, Charleston, WV 25304 (	operator and the operator's authorize Secretary, at the WV Department of	ed representative, Addi of Environmental Protec	tional information
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#### 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 stautory 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 deportuse of ficer navy gov.

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

Date of Noti	ce: 07/20/2020 Date Pern	nit Application Filed:	DI JAU	_	
Delivery me	thod pursuant to West Virginia Co	de § 22-6A-16(c)			
CERTI	FIED MAIL	☐ HAND			
RETU	RN RECEIPT REQUESTED	DELIVERY			
the planned of the planned of the planned to be drilling of a damages to the d) The notice of notice.	W. Va. Code § 22-6A-16(c), no later requested or hand delivery, give the peration. The notice required by the provided by subsection (b), section horizontal well; and (3) A proposed the surface affected by oil and gas opened as required by this section shall be given.	surface owner whose land will his subsection shall include: (I ten of this article to a surface of surface use and compensation rations to the extent the damage wen to the surface owner at the	be used for A copy wher whose agreements	or the drilling of a of this code sect so land will be use at containing an o	thorizontal well notice of tion; (2) The information ed in conjunction with the offer of compensation for
lotice is her	eby provided to the SURFACE OW	/NER(s)			
at the addres Vame: Blan L	s listed in the records of the sheriff at				
Address: 2115		Name:			
Belle Vemon, PA		Address:			
ursuant to W	est Virginia Code § 22-6A-16(c), not	tice is hereby given that the und	ersigned v	well operator has	developed a planned
ursuant to W peration on tate: County:	est Virginia Code § 22-6A-16(c), not the surface owner's land for the purpo West Virginia Brooks	ose of drilling a horizontal well UTM NAD 83	on the tra lasting: lorthing:	well operator has et of land as follo 531,204 820 4,451 863,605	developed a planned ws:
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WW-6A5 (1/12)

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

	re: 07720/2020 Date Per	ided no later than the filing mit Application Filed:	2172110		
Delivery met	thod pursuant to West Virginia Co	nde § 22-6A-16(e)	1-1-		
E CERTI	FIED MAIL	☐ HAND			
	N RECEIPT REQUESTED	DELIVERY			
eturn receipt to planned of equired to be criffling of a lamages to the finance of notice.  In the address the address to the address to the control of the address to the	Consol Energy Drive 5317 eby given:	e surface owner whose lan this subsection shall inclu ten of this article to a sur- d surface use and compen- erations to the extent the d given to the surface owner  WNER(s) at the time of notice):  Name: Addres	d will be used fide: (1) A copy face owner who saffon agreemed amages are comat the address list.	or the drilling of a of this code sec set and will be usent containing an opensable under a sted in the record	a horizontal well notice of tion; (2) The information ed in conjunction with the offer of compensation for ricle six-b of this chapter, s of the sheriff at the time.
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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

July 13, 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 201H 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,

RECEIVED

WV Department of Environmental Protection

Gary K. Clayton, P.E.

Regional Maintenance Engineer Central Office O&G Coordinator

Cc: Brittany Woody Southwestern Energy

CH, OM, D-6

File

470	09	00	3	23
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Freduct Name	Product U.e.	Chamical Manua	CAS Number
AI-303 (IJ.S. Well Services)	Mixture	Ethylene glycol	107-21 1
	~	Cinnamaldehyde	104-55 2
		Butyl cellosolve	111-76 2
		Formic acid Polvether	64-18 6
		Acetophenone, thiourea, formaldehyde polymer	Proprietary
s energie works.	B. 25-801		58527-49 1
P ONE (U.S. Well Services)	Breaker	Ammonium persulfate	7727-54-0
actron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
actron k-219 (Champion Technologies)	Biocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	58424-85-1
arboNRT	Tracer	Ceramic Proppant	66402-68-4
C6486A (Nalco Champion)	Scale Inhibitor	Amine Triphosphate	Proprietary
		Ethylene Glycol	107-21-1
EC6734A (Champion Technologies)	Biocide	Hydrogen Peroxide	7722-84-1
		Acetic Acid	64-19-7
		Peroxyacetic Acid	79-21-0
cona-CI200 (SWN Well Services)	Corrosion Inhibitor	Methanol	67-56-1
		Oxyalkylated fatty acid	68951-67-7
		Fatty acids	61790-12-3
		Modified thiourea polymer	68527-49-1
		Water	7732-18-5
		Hydrochloric acid	7647-01-0
		Potassium acetate	127-08-2
		Formaldehyde	50-00-0
copal-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
		Citric Acid	77-92-9
		Water	7732-18-5
DP-51176-15 (Halliburton)	Friction Reducer	Polyacylate	Proprietary
		Hydrotreated light petroleum distillate	64742-47-8
LOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
PLOTE I DRADO TAN (2004 MAGIL 26LAICE2)	(fiction) fieddeer	Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
LOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
R-75 (Halliburton)	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Inorganic Salt	Proprietary
GYPTRON T-390 (Champion Technologies)	Scale Inhibitor	Methanol	67-56-1
		Nonylphenol Ethoxylate	Proprietary
AI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
ICL (SWN Well Services)	Hydrocholic Acid	Hydrochloric Acid	7647-01-0
LP-65 MC (Halliburton)		Water	7732-18-5
	Scale Inhibitor	Organic phosphonate	Proprietary
		Ammonium Chloride	12125-02-9
OPTI-FLEX (U.S. Well Services)	Viscosifying Agent	Distillates, petroleum, hydrotreated light	64742-47-8
lexslick 930	Friction Reducer	Copolymer of 2-propenamide RECEIVED	Proprietary
		Hydrotreated Distillate Office of Oil and Gas	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohols, C12-16, Exoxylated ALLC O. C. 2020	68551-12-2
		Alcohols, C12-16, Exoxylated Oleic Acid Diethanolamide  AUG 2 6 2020	93-83-4
		Ammonium Chloride	12125-02-9
lexslick 953	Friction Reducer	Petroleum Distillate WV Department of	64742-47-8
FIEASILA 933		Sodium Chloride Environmental Protestini	7647-14-5
		Ammonium Chloride	12125-02-9
		N,N-bis (2-hydroxyethyl) oleamide	93-83-4
lavelirb 057	Friction Reducer	Petroleum Distillate	64742-47-8
Plexslick 957	i ilenoti negocel	Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
		Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
UEDA ZOON (ELE AU-ILE	Anicola Felesiae Walter		54742-47-8
WFRA-2000 (U.S. Well Services)	Anionic Priction Reducer	Hydrotreated light distillate (petroleum) Propenoic acid, polymer with propenamide	9003-06 9
	enthal late		
lexaid 6S5 NM	Scale Inhibitor	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
Plexslick 922	no data available	Copolymer of 2-propenaminde	59418-26-4
		Distillates (petroleum), hydotreated light	64742-47-8
		Ammonium chloride ((NH4)CI)	12125-02-9
LATE PREMA	Bornald Control	Oleic Acid Diethnolamide	93-83-4
oldide PS50A	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate	55566-30-8
		Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate	Shares been
		groups	397256-50-7
D-2950	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Ethoxylated alcohol	Proprietary
		the bottom of the action of the ball of the state of the same books on the same had	69011-36-5
		Poly (oxy-1,z-ethanediyi) alphatridecyiomeganvoroxy branched	
egend LD-7750W	Scale Control	Poly (oxy-1,2-ethanediyl) alphatridecylomegahydroxy-, branched  Methanol	67-56-1
egend LD-7750W	Scale Control		

OPERATOR:_	SWN Production Co., LLC	WELL NO: Brian Teslovich BRK 201H
PAD NAME:_	Brian Teslovich BRK	- 40
REVIEWED BY;		SIGNATURE: BUHLUNU WOODLY
		V V

#### WELL RESTRICTIONS CHECKLIST

#### HORIZONTAL 6A WELL

Well Restr	rictions	
<b>V</b>	At Least 100 Feet from Pad and LOD (including any E&S Control Feature Perennial Stream, Lake, Pond, Reservoir or Wetland; OR	) to any
	DEP Waiver and Permit Conditions	
1	At Least 300 Feet from Pad and LOD (including any E&S Control Feature Naturally Producing Trout Stream; OR	) to any
	DEP Waiver and Permit Conditions	
1	At Least 1000 Feet from Pad and LOD (including any E&S Control Featur Groundwater Intake or Public Water Supply; OR	e) to any
	DEP Waiver and Permit Conditions	
1	At Least 250 Feet from an Existing Water Well or Developed Spring to Wo	ell Being
	Drilled; OR	Office of Oil and Gas
	Surface Owner Waiver and Recorded with County Clerk, OR	AUG 2 6 2020
	DEP Variance and Permit Conditions	WV Department of Environmental Protection
<b>V</b>	At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pa	ad; OR
	Surface Owner Waiver and Recorded with County Clerk, OR	
1	DEP Variance and Permit Conditions	
<b>✓</b>	At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Fe of the Pad; OR	et to the Center

Surface Owner Waiver and Recorded with County Clerk, OR

DEP Variance and Permit Conditions

