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west virginia department of environmental protection

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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](http://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 201H  
Farm Name: BRIAN L. TESLOVICH  
U.S. WELL NUMBER: 47-009-00323-00-00  
Horizontal 6A New Drill  
Date Issued: 9/30/2020

**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**

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

API Number: \_\_\_\_\_

# 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](mailto:DEPOOGNotify@wv.gov).

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 Number: Brian Teslovich BRK 201H Well Pad Name: Brian Teslovich BRK

3) Farm Name/Surface Owner: Brian L. Teslovich Public Road Access: McCord Hill Road

4) Elevation, current ground: 1149' Elevation, proposed post-construction: 1151'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_

Other \_\_\_\_\_

(b) If Gas Shallow  Deep \_\_\_\_\_

Horizontal  \_\_\_\_\_

6) Existing Pad: Yes or No No

*[Handwritten Signature]* 8.7.20

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Target Formation- Marcellus, Up-Dip well to the North, Target Top TVD- 5733', Target Base TVD- 5784', Anticipated Thickness- 51', Associated Pressure- 3760

8) Proposed Total Vertical Depth: 5768'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 17,575'

11) Proposed Horizontal Leg Length: 11,345.61

12) Approximate Fresh Water Strata Depths: 115'

13) Method to Determine Fresh Water Depths: Nearby spring

14) Approximate Saltwater Depths: 405'- Salinity Profile

15) Approximate Coal Seam Depths: 266'

16) Approximate Depth to Possible Void (coal mine, karst, other): Possible Void 266'


17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes \_\_\_\_\_ No

(a) If Yes, provide Mine Info: Name: Windsor Coal Company/CONSOL  
Depth: \_\_\_\_\_  
Seam: \_\_\_\_\_  
Owner: \_\_\_\_\_

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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'	lead 7756x75x12757ax 100' mono in 
Tubing							
Liners							

*E. R. O. 8.7.20*

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

**PACKERS**

Kind:				RECEIVED Office of Oil and Gas
Sizes:				AUG 26 2020
Depths Set:				WV Department of Environmental Protection

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.

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\*Note: Attach additional sheets as needed.

**Southwestern Energy Company**

**Proposed Drilling Program**

Well: BRIAN TESLOVICH BRK 201 Re-entry Rig: TBD  
 Field: PANHANDLE FIELD WET Prospect: PANHANDLE  
 County: BROOKE State: WV  
 SHL: 40.2166 Latitude -80.6333 Longitude  
 BHL: 40.2450 Latitude -80.6526 Longitude  
 KB Elev: 1,175 ft MSL KB: 26 ft AGL GL Elev: 1,101 ft MSL



*ERD  
8-7-20*

Coal Void at 266' TVD

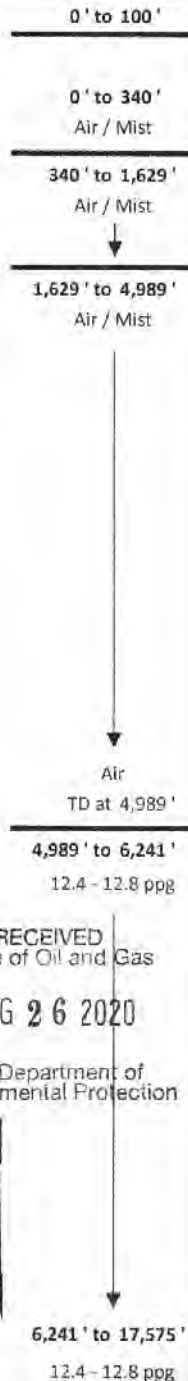
PROD TOC Lead @ 1,629' MD  
 PROD TOC Tail @ 5,100' MD

**TUBULAR DETAIL**

	Size (in)	Weight	Grade	From	To
Conductor/Coal:	20	94.0 #	H-40	0'	100'
Surf./Coal:	13.375	48.0 #	H-40	0'	320'
Intermediate:	9.625	36.0 #	J-55	0'	1,609'
Production:	5.5	20.0 #	HCP-110	0'	17,575'

**CEMENT DETAIL**

	Sacks	Class	Density
Conductor	151	A	19.3
Surface	323	A	15.6
Intermediate	632	A	15.6
Production Lead	776	A	15.6
Production Tail	2767	A	15.6



KOP at 4,989' MD

Freshwater Depth - 115' TVD  
 Coal Void Depth - 266' TVD  
 Saltwater Depth - 405' TVD  
 TVD - 5,768'  
 TMD - 17,575'

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5,768' Target Center

TD at 17,575' MD  
5,629' TVD

EOB at 5,768' TVD

CEMENT ADDITIVES						
INTERVAL	SCHLUMBERGER PRODUCT NAME	BJ PRODUCT NAME	NEXTier PRODUCT NAME	PRODUCT USE	470090 CHEMICAL NAME	0323 CAS-Number
SURFACE (FRESHWATER)	<del>                    </del>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
COAL PROTECTION	<del>                    </del>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
INTERMEDIATE	D020	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D047	FP 28L	<del>                    </del>	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	<del>                    </del>	INTEGRA SEAL	CJ600	LOST CIRC MATERIAL	CELLOPHANE FLAKES	9005-81-6
	CemNet	<del>                    </del>	<del>                    </del>	LOST CIRC MATERIAL	COATED FIBERGLASS FIBERS	PROPRIETARY
	SUGAR	SUGAR	CJ795	CMT RETARDER	SUCROSE	57-50-1
	S001	A-7P	CJ110	ACCELERATOR	CALCIUM CHLORIDE	10043-52-4
PRODUCTION	<del>                    </del>	<del>                    </del>	CJ111	ACCELERATOR	SODIUM CHLORIDE	7440-23-5
	<del>                    </del>	SS-11W	CJ880	SURFACTANT	NONIONIC SURFACTANT	6540-99-4
	D047	FP 28L	<del>                    </del>	LIQUID ANTIFOAM AGENT	POLYPROPYLENE GLYCOL	25322-69-4
	<del>                    </del>	<del>                    </del>	CJX157011	SOLID ANTIFOAM AGENT	FULLERS EARTH(ATTAPULGITE)	8031-18-3
	<del>                    </del>	<del>                    </del>	CJ540	HP FLUID LOSS ADDITIVE	ALIPHATIC AMIDE POLYMER	PROPRIETARY
	D255	<del>                    </del>	<del>                    </del>	MED TEMP FLUID LOSS ADDITIVE	POLYACRILIC POLYMER	PROPRIETARY
	<del>                    </del>	<del>                    </del>	CJ213	RETARDER	CHRYSTALLINE SILICA	14808-60-7
	<del>                    </del>	FL-66	CJ501	LOW TEMP FLUID LOSS ADD	POWDERED POLYSACCHARIDE	PROPRIETARY
	<del>                    </del>	BENTONITE	CJ020	EXTENDER	BENTONITE	1302-78-9
	D208	ASA-301	<del>                    </del>	VISCOSIFIER/ANTI- SETTLING AGENT	REFINED POLYMER/ CHRYSTALLINE SILICA	PROPRIETARY
	D198	R-3		CEMENT RETARDER	LIGNIN	8068-51-6
	SUGAR	SUGAR	CJ795	CEMENT RETARDER	SUCROSE	57-50-1

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Area of Review

API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation
4709300053	Berea Oil and Gas Corp.	Cancelled	39.028047	-79.442466	N/A	N/A
4709300054	Berea Oil and Gas Corp.	Completed	39.023619	-79.443045	8,473	Oriskany
4709300047	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	Libbey Owens Gas	Plugged	38.032129	-82.486503	2,691	Big White Slate
4709700151	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	Cameron Producing	Plugged	38.916956	-80.234682	4,540	Brallier

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WW-9  
(4/16)

API Number 47 - 009  
Operator's Well No. Brian Teslovich BRK 201H

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name SWN Production Co., LLC OP Code 494512924

Watershed (HUC 10) Grog Run Quadrangle Tiltonsville

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste:

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.?

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number Various Approved Facilities )
- Reuse (at API Number At the next anticipated well )
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain recovery and solidification on site)

Will closed loop system be used? If so, describe: Yes- See Attachment 3A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. All oil based drilling fluids must be disposed of in accordance with 20.2-2-1

-If oil based, what type? Synthetic, petroleum, etc. Synthetic Oil Base

Additives to be used in drilling medium? Attachment 3B

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust)

-Landfill or offsite name/permit number? Meadowfill SWF- 1032, Short Creek SWF-1034, Carbon Limestone MSWL016781, Wetzel County 1021

Apex Sanitary Landfill 06-08438, Brooke Co SWF-1073,

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West 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 on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

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

Company Official Signature *Brittany Woody*  
Company Official (Typed Name) Brittany Woody  
Company Official Title Senior Regulatory Analyst



Subscribed and sworn before me this 16th day of July, 2020

Jessica L. Vangilder Notary Public

My commission expires 7-20-20

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**SWN Production Co., LLC**

Proposed Revegetation Treatment: Acres Disturbed 11.42 Prevegetation pH \_\_\_\_\_

Lime as determined by pH test m<sup>3</sup>/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**

**Attach:**

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: \_\_\_\_\_

*C. [Signature]* 8.7.20

Comments: \_\_\_\_\_

Title: Oil & Gas Inspector

Date: 8.7.20

Field Reviewed?  Yes  No

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## Attachment 3A

## CLOSED LOOP SYSTEM

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

The closed loop system consists of several sets of a shale gas separator (often called a 'methane'), 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 Separator (sometimes called a methane) where gas and liquids/solids are separated. Gas is sent to the flare scrubber tank and is flared at the flare stack. Solids and fluids pass across a shaker system to separate solids from liquids. Solids pass into the cuttings tanks where they are captured for drying and hauloff to an approved landfill site. Liquids fall into a shaker tank and are collected by a centrifugal pump to be processed by the high speed centrifuge to further separate liquids and solids. Solids are then dumped into the cuttings tank for drying and hauloff. Liquids are further processed to remove additional low gravity solids before being reused or transferred to onsite storage.

## LIQUIDS DRILLING (FRESHWATER, BRINE, SOBM)

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

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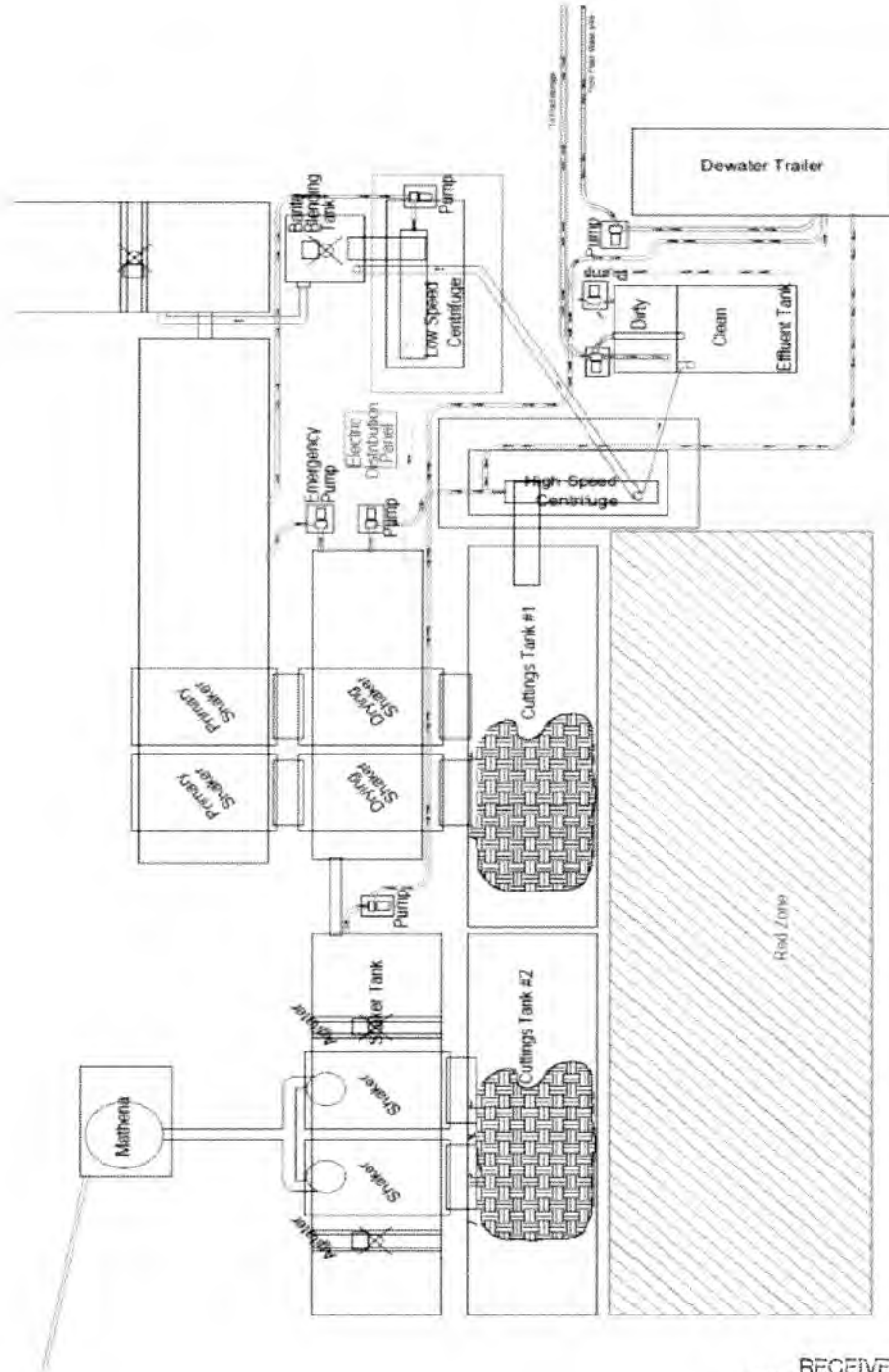
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EXAMPLE SCHEMATIC FOR CLOSED LOOP SOLIDS CONTROL SYSTEM

**SWN**  
Southwestern Energy<sup>®</sup>

**Solids Control Layout**



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**Attachment 3B**  
**Drilling Mediums**

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

Air

Freshwater (if needed based on conditions)

**Intermediate/Coal (if present):**

Air

**Production Hole:**

Air

Synthetic Oil (Base Fluid for mud system)

Barite

Calcium Chloride

Lime

Organophilic Bentonite

Primary and Secondary Emulsifiers

Gilsonite

Calcium Carbonate

Friction Reducers

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WVD Seeding Specification



To Order Seed contact Lyndsi Eddy Filippo office 570-996-4271 cell 501-269-5451 lyndsi\_eddy@swn.com (please allow 7 to 10 days for delivery)

NON-ORGANIC PROPERTIES		ORGANIC PROPERTIES	
Seed Mixture: ROW Mix	SWN Supplied	Seed Mixture: SWN Production Organic Mix	SWN Supplied
Orchardgrass	40%	Organic Timothy	50%
Timothy	15%	Organic Red or White Clover	50%
Annual Ryegrass	15%	OR	
Brown Top Millet	5%	Organic Perennial Ryegrass	50%
Red Top	5%	Organic Red or White Clover	50%
Medium Red Clover	5%		
White Clover	5%	Apply @ 100lbs per acre April 16th- Oct. 14th	Apply @ 200lbs per acre Oct. 15th- April 15th
Birdsfoot Trefoil	5%		
Rough Bluegrass	5%	Organic Fertilizer @ 200lbs per Acre	Pelletized Lime @ 2 Tons per Acre
Apply @ 100lbs per acre April 16th- Oct. 14th			
Apply @ 200lbs per acre Oct. 15th- April 15th PLUS 50lbs per acre of Winter Wheat			
<b>SOIL AMENDMENTS</b>			
10-20-20 Fertilizer			
Pelletized Lime			
* Apply @ 500lbs per Acre Apply @ 2 Tons per Acre			
* unless otherwise dictated by soil test results			
<b>Seeding Calculation Information:</b>			
1452' of 30' ROW/LOD is One Acre			
871' of 50' ROW/LOD is One Acre			
622' of 70' ROW/LOD is One Acre			
<b>Synopsis:</b>			
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).			
<b>Special Considerations:</b>			
Landowner Special Considerations including CREP program participants require additional guidance that is not given here. Discuss these requirements with SWN supervision at the beginning of the project to allow time for special seed delivery.			
		RECEIVED Office of Oil and Gas  AUG 26 2020  WV Department of Environmental Protection	
		Apply @ 25lbs per acre April 16th- Oct. 14th  Apply @ 50lbs per acre Oct. 15th- April 15th  NO FERTILIZER OR LIME INSIDE WETLAND LIMITS	
<b>WETLANDS (delineated as jurisdictional wetlands)</b>			
<b>Seed Mixture: Wetland Mix</b>		<b>SWN Supplied</b>	
VA Wild Ryegrass	20%		
Annual Ryegrass	20%		
Fowl Bluegrass	20%		
Cosmos 'Sensation'	10%		
Redtop	5%		
Golden Tickseed	5%		
Maryland Senna	5%		
Showy Tickseed	5%		
Fox Sedge	2.5%		
Soft Rush	2.5%		
Woolgrass	2.5%		
Swamp Verbena	2.5%		

# 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

Approved by:

Name:

Date: 8-7-20

Title: Oil & Gas Inspector

Approved by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas

AUG 26 2020

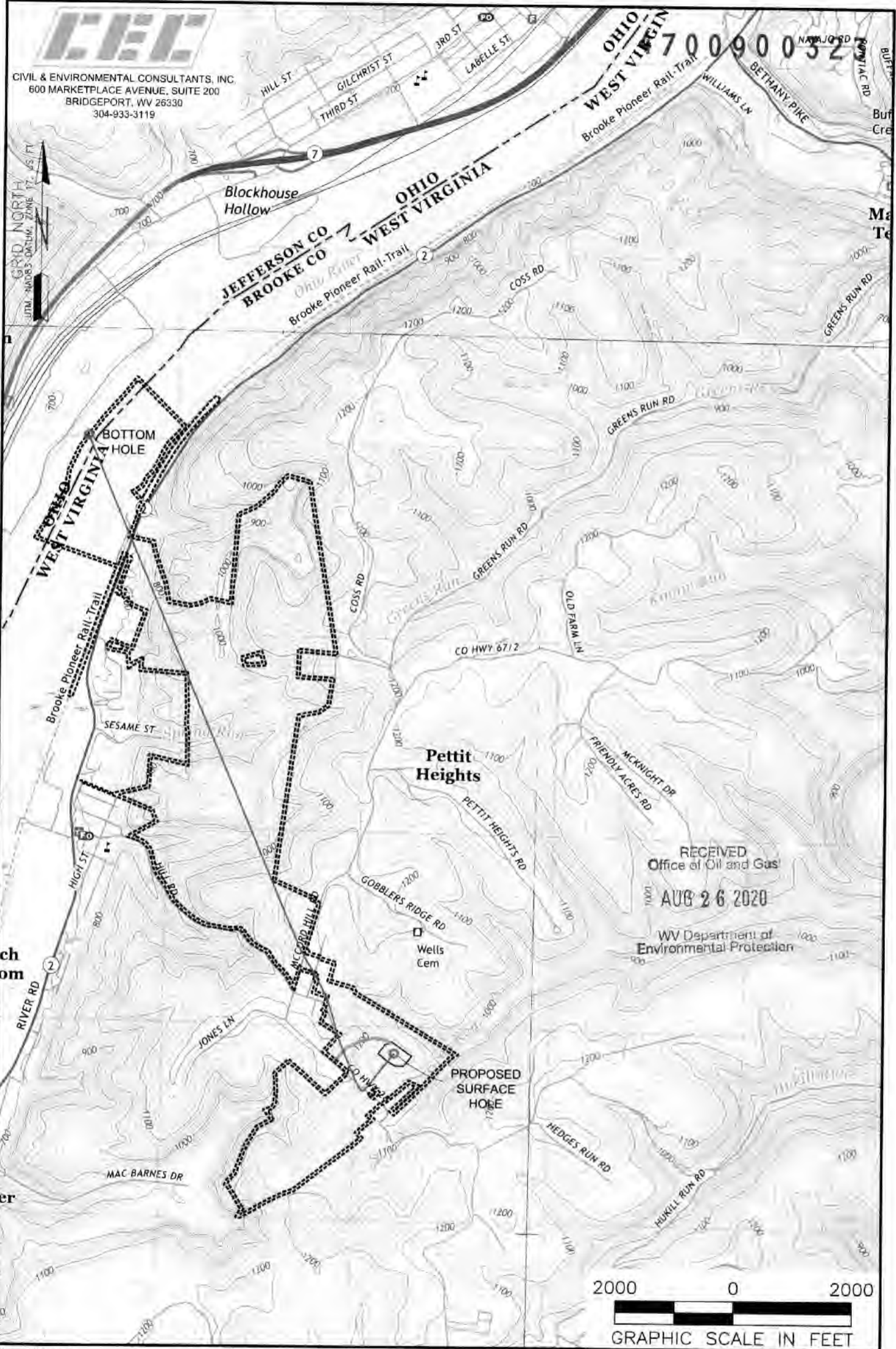
WV Department of  
Environmental Protection



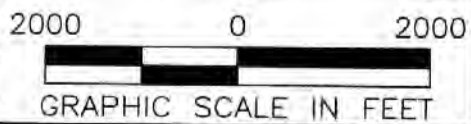


CIVIL & ENVIRONMENTAL CONSULTANTS, INC.  
600 MARKETPLACE AVENUE, SUITE 200  
BRIDGEPORT, WV 26330  
304-933-3119

GRID NORTH  
UTM - NAD83 DATUM, ZONE 17, 45 FT



RECEIVED  
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AUG 26 2020  
WV Department of  
Environmental Protection



**NOTES ON SURVEY**

1. SURFACE AND ROYALTY OWNERS INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL ANGLES ARE GRID NORTH UNLESS OTHERWISE SPECIFIED.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL\* LANDING POINT LOCATION
- FLOOD PLUM
- ACCESS ROAD
- PUBLIC ROAD
- ALIENS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> BRIAN TESLOVICH BRK	<b>WELL #</b> 201H	<b>SERIAL #</b> XXXX
<b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, STE 201 MORGANTOWN, WV 26508	<b>COUNTY - CODE</b> BROOKE - 009	<b>DISTRICT;</b> BUFFALO DISTRICT	
<b>SURFACE OWNER:</b> BRIAN L. TESLOVICH	<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> TILTONSVILLE, WV		



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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	LOUIS MILNER	03-836-135
B	MONTOE NORMAL JR & SUE BECKHA (JAW)	03-837-117
C	LUKE BUNST E	03-838-071
D	ADAMS MARK S. & MELISSA J.	03-838-142
E	COUTER LINDA DAVIS & WADSWORTH BUTLER	13-838-143
F	SOLUMBA (S&S COMPANY)	03-838-144
G	BEETH BOTTOM VOLUNTEER FIRE DEPARTMENT	03-838-105
H	REHMAN TRUDY SCAM	03-838-106
I	WILLIAMS MARK LTD STINSON GARAGE OF AL	03-838-107
J	PHILIPS MARK STINSON GARAGE OF AL	03-838-108
K	GARY ERNEST S. & JUANNE	03-84-252
L	WINDSOR POWER HOUSE COAL CO	03-84-440
M	BROOKS COUNTY COMMISSION	03-800-071
N	WINDSOR POWER HOUSE COAL CO	03-838-102
O	WINDSOR POWER HOUSE COAL CO	03-838-101
P	WINDSOR POWER HOUSE COAL CO	03-838-098
Q	LOUISIANA STATE UNIVERSITY	03-838-109
R	RAMONA WOOD	03-838-110
S	ONE BLUE E	03-840-1
T	CONCEY CHARLES A & LINDA TERRY	03-840-35
U	CHIEF JAMIE LIND	03-840-55
V	THOMAS RONALD L & LINDA SUE	03-840-57
W	BUTLER WALMA (TODD) & BUTLER	03-838-36
X	LEMASTERS HARLEY J	03-838-03
Y	LEMASTERS HARLEY J	03-838-04
Z	PIERCE SCAM C & BEVERLY W (SURY)	03-838-05
AA	MATHEWS SHAWN	03-838-06
AB	MATHEWS SHAWN	03-838-07
AC	MATHEW KATHY LYNN LIFE EST SHAWA VIRGINIA HEADDY	03-838-08
AD	BADJO JOHN	03-838-09
AE	BADJO JOHN	03-838-10
AF	BADJO JOHN	03-838-11
AG	WALLACE JIMMY & KATHERINE	03-838-12
AH	BURNING OIL CORP OF THE NORTHERN PENNSYLVANIA	03-838-13
AI	WILLAGE OF BEETH BOTTOM	03-838-14
AJ	WILLAGE OF BEETH BOTTOM	03-838-15
AK	SMART JUDITH & MARINA (SURY)	03-838-16
AL	LOWE GEORGE M & JUD (SURY)	03-838-17
AM	DAUGHERTY BEUNGA AT ALICE EST-LINE ANN DAUGHERTY	03-838-18
AN	MCDONNAN BARBARA	03-838-19
AO	HUNTER BRUCE & MRS LYNN (SURY)	03-838-20
AP	PHILIPBAUM MICROW & REALTY STEPHANIE (SURY)	03-838-21
AQ	PHILIPBAUM ANDREW & BRADLEY STEPHANIE (SURY)	03-838-22
AR	RICHIE JOHN C & KELLY A	03-838-23
AS	RICHIE JOHN C & KELLY A	03-838-24
AT	DAVID RIMON	03-838-25
AU	WILLAGE OF BEETH BOTTOM	03-838-26
AV	EMASS PROPERTIES LLC	03-838-27
AW	SMITH JOYCE E	03-838-28
AX	BOLEH APRIL WILLIAM (SURY) JEWEL COUSLO	03-838-29
AY	CONERY LINDA A	03-838-30
AZ	MILLER LINDA & ARNIE	03-838-31
BA	MILLER LINDA & ARNIE	03-838-32
BB	GARY RICHIE & LINDA SUEY TIMOTHY BOCE	03-838-33
BBB	KATHY BOCE JOHN BOCE CAROL LANDOWNER	03-838-34
BBB	WENDY WELLS JR. DEBORAH WELLS WELLS	03-838-35
BBB	BAKER JOHN M JR & DONNA JO	03-838-36
BBB	PELL ROBERT T W (SURY)	03-838-37
BBB	COMBARD BERNARD J II ETC	03-838-38
BBB	COMBARD BERNARD J II THOMAS	03-838-39
BBB	COMBARD BERNARD J II	03-838-40
BBB	COMBARD BERNARD J II	03-838-41
BBB	COMBARD BERNARD J II	03-838-42
BBB	COMBARD BERNARD J II	03-838-43
BBB	COMBARD BERNARD J II	03-838-44
BBB	COMBARD BERNARD J II	03-838-45
BBB	COMBARD BERNARD J II	03-838-46
BBB	COMBARD BERNARD J II	03-838-47
BBB	COMBARD BERNARD J II	03-838-48
BBB	COMBARD BERNARD J II	03-838-49
BBB	COMBARD BERNARD J II	03-838-50
BBB	COMBARD BERNARD J II	03-838-51
BBB	COMBARD BERNARD J II	03-838-52
BBB	COMBARD BERNARD J II	03-838-53
BBB	COMBARD BERNARD J II	03-838-54
BBB	COMBARD BERNARD J II	03-838-55
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BBB	COMBARD BERNARD J II	03-838-58
BBB	COMBARD BERNARD J II	03-838-59
BBB	COMBARD BERNARD J II	03-838-60
BBB	COMBARD BERNARD J II	03-838-61
BBB	COMBARD BERNARD J II	03-838-62
BBB	COMBARD BERNARD J II	03-838-63
BBB	COMBARD BERNARD J II	03-838-64
BBB	COMBARD BERNARD J II	03-838-65
BBB	COMBARD BERNARD J II	03-838-66
BBB	COMBARD BERNARD J II	03-838-67
BBB	COMBARD BERNARD J II	03-838-68
BBB	COMBARD BERNARD J II	03-838-69
BBB	COMBARD BERNARD J II	03-838-70
BBB	COMBARD BERNARD J II	03-838-71
BBB	COMBARD BERNARD J II	03-838-72
BBB	COMBARD BERNARD J II	03-838-73
BBB	COMBARD BERNARD J II	03-838-74
BBB	COMBARD BERNARD J II	03-838-75
BBB	COMBARD BERNARD J II	03-838-76
BBB	COMBARD BERNARD J II	03-838-77
BBB	COMBARD BERNARD J II	03-838-78
BBB	COMBARD BERNARD J II	03-838-79
BBB	COMBARD BERNARD J II	03-838-80
BBB	COMBARD BERNARD J II	03-838-81
BBB	COMBARD BERNARD J II	03-838-82
BBB	COMBARD BERNARD J II	03-838-83
BBB	COMBARD BERNARD J II	03-838-84
BBB	COMBARD BERNARD J II	03-838-85
BBB	COMBARD BERNARD J II	03-838-86
BBB	COMBARD BERNARD J II	03-838-87
BBB	COMBARD BERNARD J II	03-838-88
BBB	COMBARD BERNARD J II	03-838-89
BBB	COMBARD BERNARD J II	03-838-90
BBB	COMBARD BERNARD J II	03-838-91
BBB	COMBARD BERNARD J II	03-838-92
BBB	COMBARD BERNARD J II	03-838-93
BBB	COMBARD BERNARD J II	03-838-94
BBB	COMBARD BERNARD J II	03-838-95
BBB	COMBARD BERNARD J II	03-838-96
BBB	COMBARD BERNARD J II	03-838-97
BBB	COMBARD BERNARD J II	03-838-98
BBB	COMBARD BERNARD J II	03-838-99
BBB	COMBARD BERNARD J II	03-838-00

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
III	STEWART DEBBIE	03-831-100
IIIA	LEMASTERS HARLEY J	03-831-101
IIIB	LEMASTERS HARLEY J & REBECCA K (SURY)	03-831-102
IIIC	COOPER KYLE L & YADIE R (SURY)	03-831-103
IIID	TRICE REBECCA SUTH	03-831-104
IIIE	ROBINSON PATRICIA GRAYSON	03-831-105
IIIF	WOODWINE TIMOTHY A & MELINDA BETH	03-831-106
IIIG	WOODWINE TIMOTHY A & MELINDA BETH	03-831-107
IIIH	WALDORA MICHAEL S	03-831-108
IIII	ROOPER STEPHEN A. BROWNLEE JOY L	03-831-109
IIIIA	ROOPER STEPHEN A. BROWNLEE JOY L	03-831-110
IIIII	LEONARD DAN E & RIMBERLY D (SURY)	03-831-111
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-112
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-113
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-114
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-115
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-116
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-117
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-118
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-119
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-120
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-121
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-122
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-123
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-124
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-125
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-126
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-127
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-128
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-129
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-130
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-131
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-132
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-133
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-134
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-135
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-136
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-137
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-138
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-139
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-140
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-141
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-142
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-143
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-144
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-145
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-146
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-147
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-148
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-149
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-150
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-151
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-152
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-153
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-154
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-155
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-156
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-157
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-158
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-159
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-160
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-161
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-162
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-163
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-164
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-165
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-166
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-167
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-168
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-169
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-170
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-171
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-172
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-173
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-174
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-175
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-176
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-177
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-178
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-179
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-180
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-181
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-182
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-183
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-184
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-185
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-186
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-187
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-188
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-189
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-190
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-191
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-192
IIIIIB	LEONARD DAN E & RIMBERLY D (SURY)	03-831-193
IIIIIC	LEONARD DAN E & RIMBERLY D (SURY)	03-831-194
IIIIID	LEONARD DAN E & RIMBERLY D (SURY)	03-831-195
IIIIIE	LEONARD DAN E & RIMBERLY D (SURY)	03-831-196
IIIIIF	LEONARD DAN E & RIMBERLY D (SURY)	03-831-197
IIIIIG	LEONARD DAN E & RIMBERLY D (SURY)	03-831-198
IIIIIH	LEONARD DAN E & RIMBERLY D (SURY)	03-831-199
IIIIIA	LEONARD DAN E & RIMBERLY D (SURY)	03-831-200

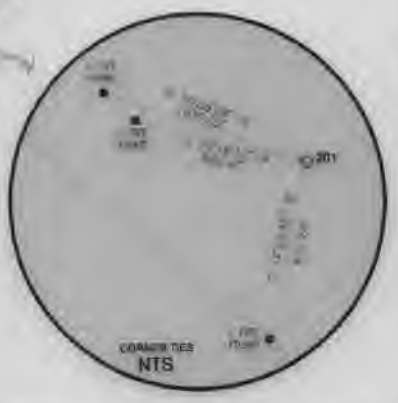
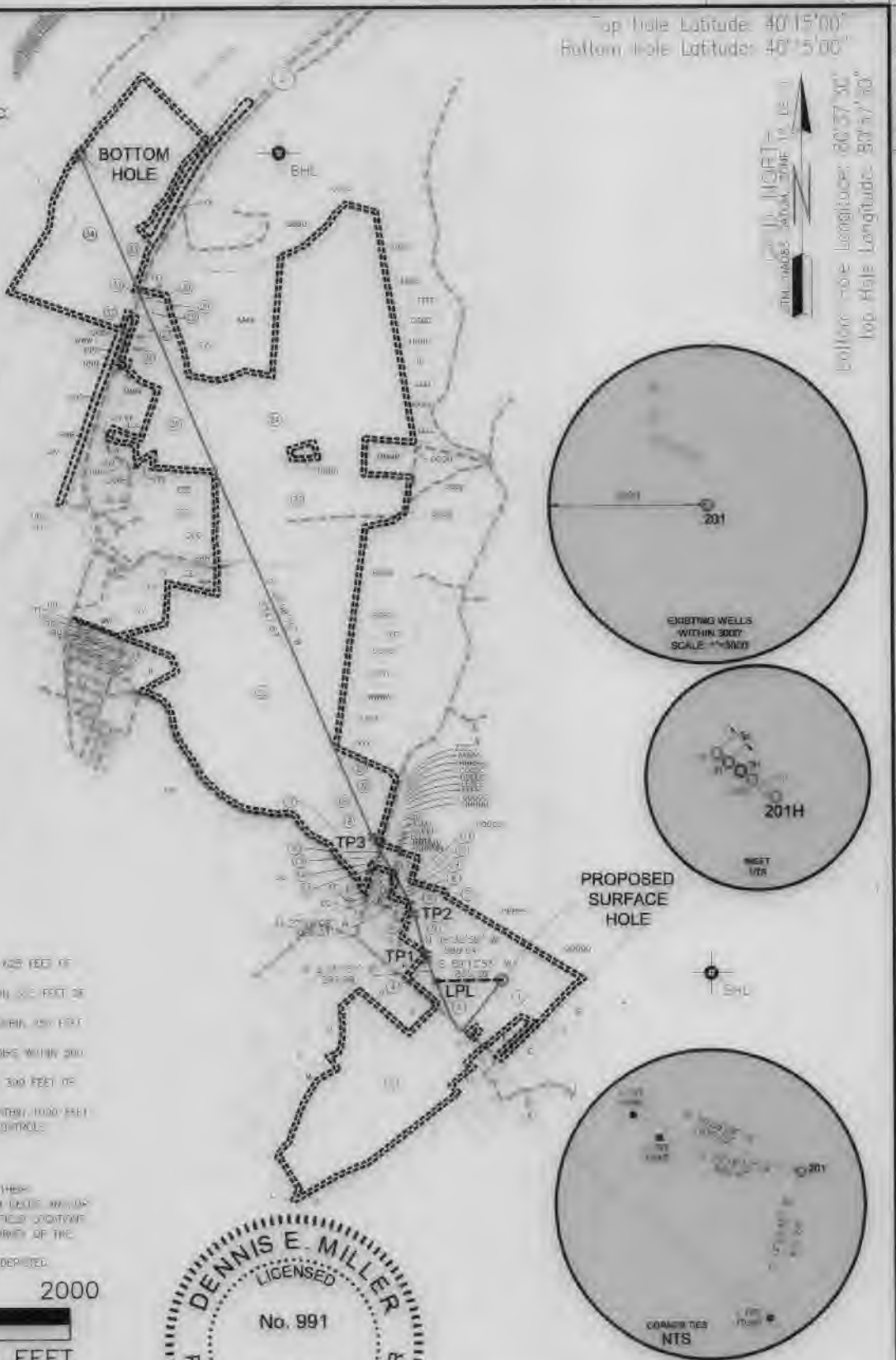
WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	BURNING OIL CORP OF THE NORTHERN PENNSYLVANIA	03-838-131
2	WINDSOR POWER HOUSE COAL COMPANY	03-838-104
3	TAMMY C MARTIN	03-838-29
4	PHILIPBAUM MICROW & REALTY STEPHANIE (SURY)	03-838-21
5	BOLEY CHARLES & JUDY LOU	03-838-20
6	BEELY GREG IMPROVEMENT	03-838-25
7	LEMASTERS HARLEY J & REBECCA K	03-838-03
8	BOLEY WALMA (TODD) & BUTLER	03-838-36
9	BUTLER WALMA (TODD) & BUTLER	03-838-36
10	LEMASTERS HARLEY J & REBECCA K	03-838-03
11	LEMASTERS HARLEY J & REBECCA K	03-838-04
12	TREID DALE J. ALICIA TAY	03-838-28
13	SMITH JOYCE E	03-838-28
14	SMITH JOYCE E	03-838-29
15	LOWE GEORGE M & JUD (SURY)	03-838-17
16	LEMASTERS HARLEY J	03-838-03
17	LEMASTERS HARLEY J	03-838-04
18	LEMASTERS HARLEY J	03-838-05
19	LEMASTERS HARLEY J	03-838-06
20	LEMASTERS HARLEY J	03-838-07
21	LEMASTERS HARLEY J	03-838-08
22	BURNING OIL CORP OF THE NORTHERN PENNSYLVANIA	03-838-131
23	COMBARD BERNARD J II	03-838-38
24	COMBARD BERNARD J II	03-838-39
25	COMBARD BERNARD J II	03-838-40
26	COMBARD BERNARD J II	03-838-41
27	COMBARD BERNARD J II	03-838-42
28	COMBARD BERNARD J II	03-838-43
29	COMBARD BERNARD J II	03-838-44
30	COMBARD BERNARD J II	03-838-45
31	COMBARD BERNARD J II	03-838-46
32	COMBARD BERNARD J II	03-838-47
33	COMBARD BERNARD J II	03-838-48
34	COMBARD BERNARD J II	03-838-49
35	COMBARD BERNARD J II	03-838-50
36	COMBARD BERNARD J II	03-838-51
37	COMBARD BERNARD J II	03-838-52
38	COMBARD BERNARD J II	03-838-53
39	COMBARD BERNARD J II	03-838-54
40	COMBARD BERNARD J II	03-838-55
41	COMBARD BERNARD J II	03-838-56
42	COMBARD BERNARD J II	03-838-57
43	COMBARD BERNARD J II	03-838-58
44	COMBARD BERNARD J II	03-838-59
45	COMBARD BERNARD J II	03-838-60
46	COMBARD BERNARD J II	03-838-61
47	COMBARD BERNARD J II	03-838-62
48	COMBARD BERNARD J II	03-838-63
49	COMBARD BERNARD J II	03-838-64
50	COMBARD BERNARD J II	03-838-65
51	COMBARD BERNARD J II	03-838-66
52	COMBARD BERNARD J II	03-838-67
53	COMBARD BERNARD J II	03-838-68
54	COMBARD BERNARD J II	03-838-69
55	COMBARD BERNARD J II	03-838-70
56	COMBARD BERNARD J II	03-838-71
57	COMBARD	



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

Top Hole Latitude: 40°15'00"  
Bottom Hole Latitude: 40°15'00"

<b>SURFACE HOLE LOCATION (SHL):</b>
TM (NAD83, ZONE 17, METERS): Easting: 4,451,863.665 Northing: 5,511,214.930
<b>LANDING POINT (LPL):</b>
TM (NAD83, ZONE 17, METERS): Easting: 4,451,863.739 Northing: 5,511,247.975
<b>BURNING POINT 1 LOCATION (TP1):</b>
TM (NAD83, ZONE 17, METERS): Easting: 4,451,932.861 Northing: 5,511,915.384
<b>BURNING POINT 2 LOCATION (TP2):</b>
TM (NAD83, ZONE 17, METERS): Easting: 4,450,405.577 Northing: 5,511,660.716
<b>BURNING POINT 3 LOCATION (TP3):</b>
TM (NAD83, ZONE 17, METERS): Easting: 4,450,405.577 Northing: 5,511,660.716
<b>BOTTOM HOLE LOCATION (BHL):</b>
TM (NAD83, ZONE 17, METERS): Easting: 4,450,008.016 Northing: 5,510,544.016

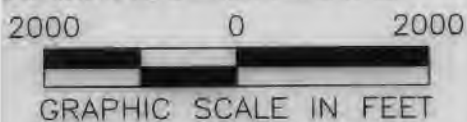


**WELL RESTRICTIONS**

- NO COMPLETION WITHIN 1,000 FEET WITHIN 425 FEET OF CENTER OF PAU.
- NO AGRICULTURE BUILDINGS < 4500 SQ. FT. WITHIN 300 FEET OF CENTER OF PAU.
- NO WATER WELLS OR WELLS WITHIN 100 FEET OF PROPOSED WELL.
- PERMANENT STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY OCCURRING TRIBUTARY STREAMS WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND TRAPE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAU, LIMITS OF DISTURBANCE, & 500 FEET.

**NOTES ON SURVEY**

- SURFACE AND BURNING POINT INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE OBTAINED FROM USGS 7.5 MINUTE MAPS PROVIDED BY CLIENT AND/OR FIELD CONDITIONS.
- THIS PLAN SHOWS ONLY REPRESENT A BOUNDARY SURVEY OF THE BURNING POINTS HEREON.
- ALL TIES ARE OLD SURVEY UNLESS OTHERWISE NOTED.



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 991 *Dennis E. Miller*

COMPANY: **SWN** **SWN** <sup>REG. V</sup>  
Production Company, LLC Production Company, LLC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)

BRIAN TESLOVICH BRK  
OPERATOR'S WELL #: 201  
API WELL #: **47** **009** **00323**  
STATE COUNTY PERMIT

WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW   
WATERSHED: GROG RUN  
DISTRICT: BUFFALO DISTRICT COUNTY: BROOKE  
SURFACE OWNER: BRIAN L. TESLOVICH  
OIL & GAS ROYALTY OWNER: BRIAN L. TESLOVICH  
ELEVATION: 1,149.0'  
QUADRANGLE: TILTONSVILLE  
ACREAGE: 50.911±  
ACREAGE: 50.911±  
DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION   
CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE (SPECIFY)  
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5768 TVD 17,574.65 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY  
ADDRESS: 1300 FORT PIERPONT DRIVE, STE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, STE 201  
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

**LEGEND:**

○ PROPOSED SURFACE HOLE / BOTTOM HOLE	--- SURVEYED BOUNDARY
○ EXISTING / PROPOSED WELLHEAD	--- DRILLING LIMIT
LPL* LANDING POINT LOCATION	--- LEASE BOUNDARY
○ EXISTING WATER WELL	--- PROPOSED PATH
○ EXISTING SPRING	TP* BURNING POINT LOCATION

<b>REVISIONS:</b>	<b>DATE:</b> 07-14-2020
	<b>DRAWN BY:</b> K.E.S.
	<b>SCALE:</b> 1" = 2000'
	<b>DRAWING NO:</b> 175-057
	<b>WELL LOCATION PLAT</b>

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

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

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

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
See Exhibit "A"				

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\*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

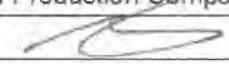
**Acknowledgement of Possible Permitting/Approval  
In Addition to the Office of Oil and Gas**

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

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

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



Denise Nicholson	SWN Production Company, LLC	18.00%	48/99
Alexis Helen Devlin Norling	SWN Production Company, LLC	18.00%	46/465
Jennifer L. McCutcheon Painter	SWN Production Company, LLC	18.00%	46/344
Allison M. Risko	SWN Production Company, LLC	18.00%	47/631
Elizabeth Risko	SWN Production Company, LLC	18.00%	47/619
Paul Risko	SWN Production Company, LLC	18.00%	50/30
Lee Ann Santas*	SWN Production Company, LLC	N/A	N/A
Vanessa McCutcheon Smith	SWN Production Company, LLC	18.00%	47/509
Brent State	SWN Production Company, LLC	18.00%	50/24
Teresa A. Stratton	SWN Production Company, LLC	18.00%	45/519
Barbara Moss Thorn	SWN Production Company, LLC	18.00%	47/227
Marsha M. Smith Torbert	SWN Production Company, LLC	18.00%	47/187
Denise Villiers	SWN Production Company, LLC	18.00%	47/615
Guy Paul Villiers	SWN Production Company, LLC	18.00%	47/601
Jeff Villiers	SWN Production Company, LLC	18.00%	47/521
Sharon Moss Whilden	SWN Production Company, LLC	18.00%	46/453
Debra Wilson	SWN Production Company, LLC	18.00%	47/288
W. Donald Wolff	SWN Production Company, LLC	18.00%	47/730
Donna Ziegler	SWN Production Company, LLC	18.00%	47/215
Edward Ziegler	SWN Production Company, LLC	18.00%	48/284
Beatrice Moss Bossow	SWN Production Company, LLC	18.00%	47/239
Michael W. Burton	SWN Production Company, LLC	18.00%	46/513
Michael W. Burton, Jr.	SWN Production Company, LLC	18.00%	50/18
Rebecca Smith Conrad	SWN Production Company, LLC	18.00%	46/194
Raymond Evan Davis	SWN Production Company, LLC	18.00%	46/416
Arthur J. Devlin	SWN Production Company, LLC	18.00%	48/764
Jacqueline Alice Devlin	SWN Production Company, LLC	18.00%	47/209
Rebecca K. McCutcheon Griffin	SWN Production Company, LLC	18.00%	46/309
Barbara Horite	SWN Production Company, LLC	18.00%	48/410
Gladys Moss Huffman	SWN Production Company, LLC	18.00%	47/221
Don Kinceley	SWN Production Company, LLC	18.00%	47/294
Ruth Ann Kriceley	SWN Production Company, LLC	18.00%	47/300
Shirley Moss Lockhart	SWN Production Company, LLC	18.00%	46/447
Barbara McCutcheon Martin	SWN Production Company, LLC	18.00%	45/314
Robert J. McCullough, III	SWN Production Company, LLC	18.00%	45/707
Andrew McCutcheon	SWN Production Company, LLC	18.00%	47/257
Robert J. McCutcheon, III	SWN Production Company, LLC	18.00%	46/338
William James McCutcheon	SWN Production Company, LLC	18.00%	46/325
Julie Miller	SWN Production Company, LLC	18.00%	46/278
Bill Moss	SWN Production Company, LLC	18.00%	46/254
Cecil Moss	SWN Production Company, LLC	18.00%	46/260
Harold Moss	SWN Production Company, LLC	18.00%	47/305
Mark Moss	SWN Production Company, LLC	18.00%	46/266
Robert Moss	SWN Production Company, LLC	18.00%	46/350
Jason Neer	SWN Production Company, LLC	18.00%	47/191
Jonathon Neer	SWN Production Company, LLC	18.00%	46/272
Denise Nicholson	SWN Production Company, LLC	18.00%	48/99
Alexis Helen Devlin Norling	SWN Production Company, LLC	18.00%	46/465
Jennifer L. McCutcheon Painter	SWN Production Company, LLC	18.00%	46/344
Allison M. Risko	SWN Production Company, LLC	18.00%	47/631
Elizabeth Risko	SWN Production Company, LLC	18.00%	47/619
Paul Risko	SWN Production Company, LLC	18.00%	50/30
Lee Ann Santas*	SWN Production Company, LLC	N/A	N/A
Vanessa McCutcheon Smith	SWN Production Company, LLC	18.00%	47/509
Brent State	SWN Production Company, LLC	18.00%	50/24

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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 2011H  
 Brooke County, West Virginia

15	Donna Ziegler	SWN Production Company, LLC	18.00%	47215
	Edward Ziegler	SWN Production Company, LLC	18.00%	48284
	John W. Coen, Jr.	SWN Production Company, LLC	18.00%	43733
16	Beatrice Moss Bossow	SWN Production Company, LLC	18.00%	47238
	Michael W. Burton	SWN Production Company, LLC	18.00%	46513
	Michael W. Burton, Jr.	SWN Production Company, LLC	18.00%	5018
	Rebecca Smith Conrad	SWN Production Company, LLC	18.00%	48194
	Raymond Evan Davis	SWN Production Company, LLC	18.00%	48416
	Arthur J. Devlin	SWN Production Company, LLC	18.00%	48764
	Jacqueline Alice Devlin	SWN Production Company, LLC	18.00%	47209
	Rebecca K. McCutcheon Griffin	SWN Production Company, LLC	18.00%	45308
	Barbara Heris	SWN Production Company, LLC	18.00%	49410
	Gladys Moss Huffman	SWN Production Company, LLC	18.00%	47221
	Don Knicoley	SWN Production Company, LLC	18.00%	47294
	Ruth Ann Knicoley	SWN Production Company, LLC	18.00%	47300
	Shirley Moss Lockhart	SWN Production Company, LLC	18.00%	48447
	Barbara McCutcheon Martin	SWN Production Company, LLC	18.00%	45314
	Robert J. McCullough, III	SWN Production Company, LLC	18.00%	45531
	Andrew McCutcheon	SWN Production Company, LLC	18.00%	47257
	Robert J. McCutcheon, III	SWN Production Company, LLC	18.00%	46338
	Rhela McCutcheon	SWN Production Company, LLC	18.00%	47503
	Julie Miller	SWN Production Company, LLC	18.00%	46278
	Bill Moss	SWN Production Company, LLC	18.00%	48284
	Cecil Moss	SWN Production Company, LLC	18.00%	48280
	Harold Moss	SWN Production Company, LLC	18.00%	47306
	Mark Moss	SWN Production Company, LLC	18.00%	48286
	Robert Moss	SWN Production Company, LLC	18.00%	46350
	Jason Neer	SWN Production Company, LLC	18.00%	47191
	Jonathon Neer	SWN Production Company, LLC	18.00%	46272
	Denise Nicholson	SWN Production Company, LLC	18.00%	48199
	Alexis Helen Devlin Norling	SWN Production Company, LLC	18.00%	46465
	Jennifer L. McCutcheon Painter	SWN Production Company, LLC	18.00%	46344
	Allison M. Risko	SWN Production Company, LLC	18.00%	47631
	Elizabeth Risko	SWN Production Company, LLC	18.00%	47618
	Paul Risko	SWN Production Company, LLC	18.00%	5030
	Lee Ann Santos*	SWN Production Company, LLC	N/A	N/A
	Vanessa McCutcheon Smith	SWN Production Company, LLC	18.00%	47509
	Brent State	SWN Production Company, LLC	18.00%	5024
	Teresa A. Stratton	SWN Production Company, LLC	18.00%	45518
	Barbara Moss Thorn	SWN Production Company, LLC	18.00%	47227
	Marsha M. Smith Torbert	SWN Production Company, LLC	18.00%	47197
	Denise Villers	SWN Production Company, LLC	18.00%	47515
	Guy Paul Villers	SWN Production Company, LLC	18.00%	47601
	Jeff Villers	SWN Production Company, LLC	18.00%	47621
	Sharon Moss Whilden	SWN Production Company, LLC	18.00%	46453
	Debra Wilson	SWN Production Company, LLC	18.00%	47288
	W. Donald Wolff	SWN Production Company, LLC	18.00%	47730
	Donna Ziegler	SWN Production Company, LLC	18.00%	47215
	Edward Ziegler	SWN Production Company, LLC	18.00%	46284
17	Harley J. Lemasters and Rebecca K. Lemasters	SWN Production Company, LLC	18.00%	16177
18	Harley J. Lemasters and Rebecca K. Lemasters	SWN Production Company, LLC	18%	16171
19	Harley J. Lemasters and Rebecca K. Lemasters	SWN Production Company, LLC	18%	16165
20	Harley J. Lemasters and Rebecca K. Lemasters	SWN Production Company, LLC	18%	16163
21	Harley J. Lemasters and Rebecca K. Lemasters	SWN Production Company, LLC	18%	16169
22	Beverly Baker	SWN Production Company, LLC	18%	47312
	Darla Bycott	SWN Production Company, LLC	18%	47270

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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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$\frac{R^L}{A} \rightarrow V^+$

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

Date of Notice Certification: 8/25/20

API No. 47- 009  
Operator's Well No. Brian Teslovich BRK 201H  
Well Pad Name: Brian Teslovich BRK

**Notice has been given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>531,204.820</u>
County:	<u>009- Brooke</u>		Northing:	<u>4,451,863.605</u>
District:	<u>Buffalo</u>	Public Road Access:	<u>McCord Hill Road</u>	
Quadrangle:	<u>Tiltonsville</u>	Generally used farm name:	<u>Brian Teslovich</u>	
Watershed:	<u>Grog Run</u>			

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

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

**Required Attachments:**

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

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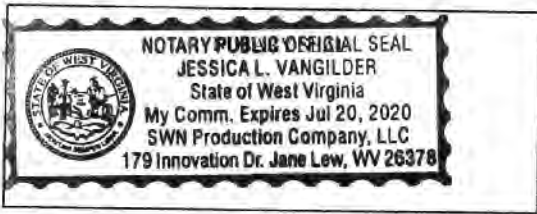
WW-6AC  
(1/12)

**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:	<u>SWN Production Co., LLC</u>	Address:	<u>1300 Fort Pierpont Dr., Suite 201</u>
By:	<u>Brittany Woody</u>		<u>Morgantown, WV 26508</u>
Its:	<u>Senior Regulatory Analyst</u>	Facsimile:	<u>304-884-1890</u>
Telephone:	<u>304-884-1610</u>	Email:	<u>Brittany_Woody@swn.com</u>

*Brittany Woody*



Subscribed and sworn before me this 16<sup>th</sup> day of July, 2020  
Jessica L. Vangilder Notary Public  
 My Commission Expires 7-20-20

**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 [depr@dep.wv.gov](mailto:depr@dep.wv.gov).

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

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 8/25/20 **Date Permit Application Filed:** 8/25/20

**Notice of:**

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

**Delivery method pursuant to West Virginia Code § 22-6A-10(b)**

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

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

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

SURFACE OWNER(s)

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

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

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

COAL OPERATOR

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: See Attachment 13  
Address: \_\_\_\_\_

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

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**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.

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**This Notice Shall Include:**

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

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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. § 35-8-5.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

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

**Well Location Restrictions**

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

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

**Water Well Testing:**

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

**Water Testing Laboratories:**

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

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

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

**Written Comment:**

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

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

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

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

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

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

**Comment Requirements**

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

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

**Permit Denial or Condition**

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

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

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

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

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WW-6A  
(8-13)

4700900323

API NO. 47-009  
OPERATOR WELL NO. Brian Teslovich BRK201H  
Well Pad Name: Brian Teslovich BRK

**Notice is hereby given by:**

Well Operator: SWN Production Co., LLC

Telephone: 304-884-1610

Email: Brittany\_Woody@swn.com

*Brittany Woody*

Address: 1300 Fort Pierpont Dr., Suite 201

Morgantown, WV 26508

Facsimile: 304-884-1690

**Oil and Gas Privacy Notice:**

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



Subscribed and sworn before me this 16<sup>th</sup> day of July, 2020.  
Jessica L. VanGilder Notary Public  
My Commission Expires 7-20-20

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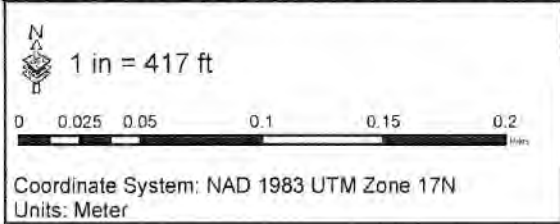
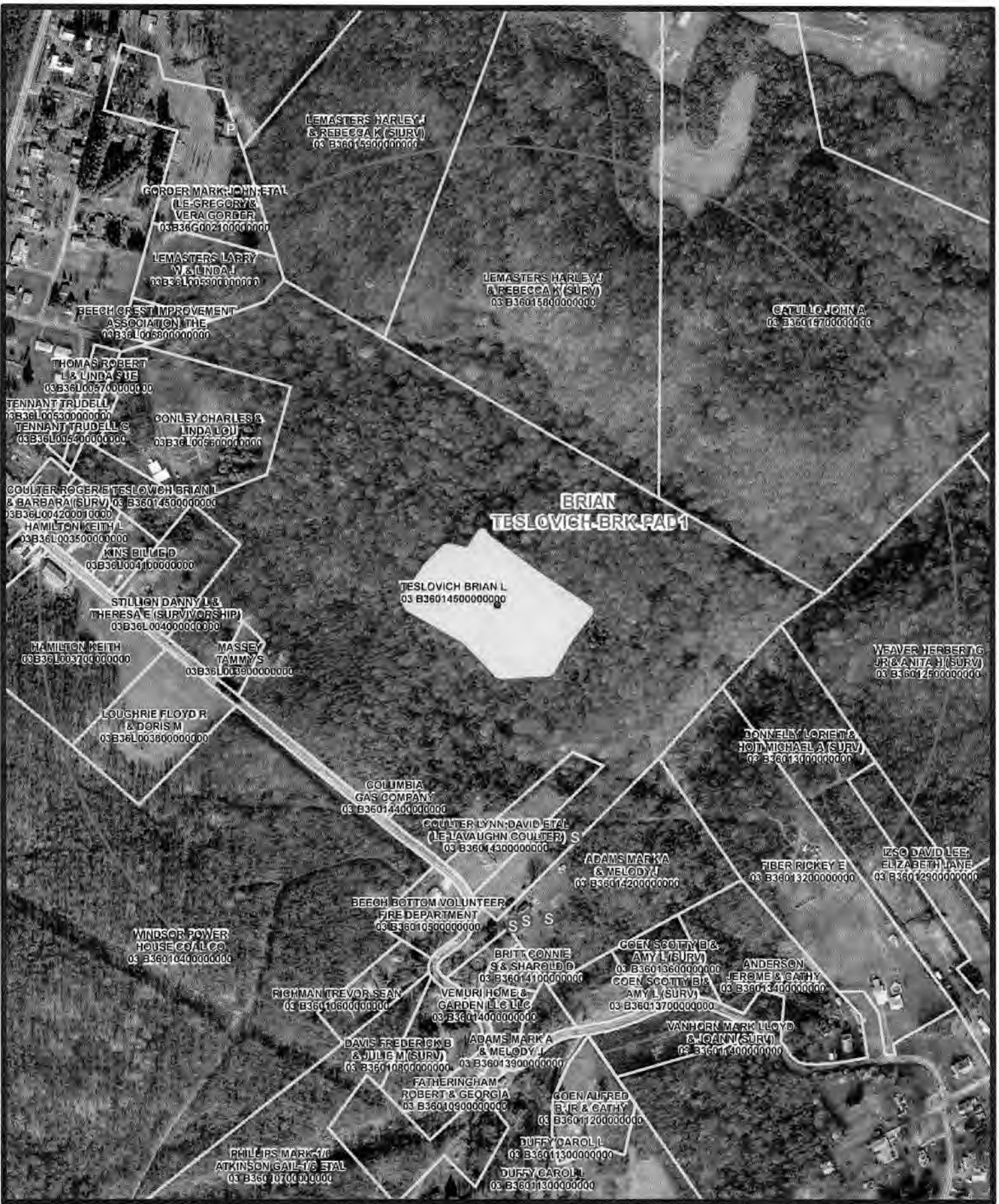
4700900323

PARID	NAME_ALL	OWNER_ADDR	CITY	STATE	ZIP	Watersources
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

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P Pond  
 S Spring  
 ● Water Well  
 □ 1500' Buffer

**Coordinates: 40.216574, -80.633281**

Water Purveyor Map  
 Well Pad: Brian Testlovich  
 County: BRK

**SWN**  $\frac{R^2}{A} \rightarrow V^t$   
 Southwestern Energy®

Date: 8/29/2018 | Author: willisb

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

Notice Time Requirement: Notice shall be provided at least SEVEN (7) days but no more than FORTY-FIVE (45) days prior to entry

Date of Notice: 2/27/2020 Date of Planned Entry: 3/4/2020

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

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

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

Notice is hereby provided to:

SURFACE OWNER(S)

Name: Brian L. Teslovich  
 Address: 411 Sunset Drive  
Belle Vernon, PA 15012  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: C/O Leatherwood, Inc. Attn: Casey Saunders  
 Address: 1000 Consol Energy Drive  
Canonsburg, PA 15317

MINERAL OWNER(S)

Name: Brian L. Teslovich  
 Address: 411 Sunset Drive  
Belle Vernon, PA 15012

\*please attach additional forms if necessary

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Notice is hereby given:

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

State:	<u>West Virginia</u>	Approx. Latitude & Longitude:	<u>40.216574, -80.833261</u>
County:	<u>Brooke</u>	Public Road Access:	<u>Apple Pie Ridge</u>
District:	<u>Buffalo</u>	Watershed:	<u>Lower Buffalo Creek</u>
Quadrangle:	<u>Tiltonsville</u>	Generally used farm name:	<u>Brian Teslovich</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Notice is hereby given by:

Well Operator: SWN PRODUCTION COMPANY, LLC  
 Telephone: 304-884-1810  
 Email: brittany\_waddy@swn.com

Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26503  
 Facsimile: 304-884-1890

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 of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

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

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

**Notice Time Requirement:** Notice shall be provided at least TEN (10) days prior to filing a permit application.

**Date of Notice:** 07/30/2020 **Date Permit Application Filed:** 08/20

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

HAND DELIVERY  CERTIFIED MAIL RETURN RECEIPT REQUESTED

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

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

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

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

**Notice is hereby given:**

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

State: West Virginia UTM NAD 83 Easting: 531,204,820  
County: Brooke Northing: 4,451,863,605  
District: Buffalo Public Road Access: McCord Hill Road  
Quadrangle: Tiltonsville Generally used farm name: Brian Testovich BRK  
Watershed: Grog Run

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx)

**Notice is hereby given by:**

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

Authorized Representative: Reid Croft  
Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Telephone: 304-231-8329  
Email: Reid\_Croft@swn.com  
Facsimile: \_\_\_\_\_

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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 of your personal information, please contact DEP's Chief Privacy Officer at [denprivacyofficer@wv.gov](mailto:denprivacyofficer@wv.gov).

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

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

**Notice Time Requirement:** Notice shall be provided at least TEN (10) days prior to filing a permit application.  
**Date of Notice:** 07/29/2020 **Date Permit Application Filed:** 8/15/20

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

HAND DELIVERY       CERTIFIED MAIL RETURN RECEIPT REQUESTED

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

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

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

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>531,204,820</u>
County:	<u>Brooke</u>	UTM NAD 83 Northing:	<u>4,451,863,005</u>
District:	<u>Buffalo</u>	Public Road Access:	<u>McCord Hill Road</u>
Quadrangle:	<u>Tiltonsville</u>	Generally used farm name:	<u>Brian Teslovich BRK</u>
Watershed:	<u>Grog Run</u>		

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(b), this notice shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: SWN Production Company, LLC  
Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Telephone: 304-231-8328  
Email: Reid\_Croft@swn.com  
Facsimile: \_\_\_\_\_

Authorized Representative: Reid Croft  
Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Telephone: 304-231-8328  
Email: Reid\_Croft@swn.com  
Facsimile: \_\_\_\_\_

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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 of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

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

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 07/20/2020      **Date Permit Application Filed:** 07/21/20

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

- CERTIFIED MAIL       HAND
- RETURN RECEIPT REQUESTED      DELIVERY

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

**Notice is hereby provided to the SURFACE OWNER(s)**  
(at the address listed in the records of the sheriff at the time of notice):

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

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>531,204.820</u>
County:	<u>Brooke</u>		Northing:	<u>4,451,863.605</u>
District:	<u>Buffalo</u>	Public Road Access:	<u>McCord Hill Road</u>	
Quadrangle:	<u>Tiltonsville</u>	Generally used farm name:	<u>Brian Teslovich BRK</u>	
Watershed:	<u>Grog Run</u>			

**This Notice Shall Include:**

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

Well Operator: SWN Production Company, LLC  
Telephone: 304-231-8329  
Email: Reid\_Croft@swn.com

Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508

Facsimile: \_\_\_\_\_

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Office of Oil and Gas

AUG 26 2020

WV Department of  
Environmental Protection

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as 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 of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).

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

**Notice Time Requirement:** notice shall be provided no later than the filing date of permit application.

**Date of Notice:** 07/26/2020      **Date Permit Application Filed:** 8/25/20

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

- CERTIFIED MAIL                                       HAND DELIVERY
- RETURN RECEIPT REQUESTED                                      DELIVERY

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

**Notice is hereby provided to the SURFACE OWNER(s)**  
(at the address listed in the records of the sheriff at the time of notice):

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

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

**Notice is hereby given:**

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

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>531,204,820</u>
County:	<u>Brooke</u>		Northing:	<u>4,451,863,605</u>
District:	<u>Buffalo</u>	Public Road Access:	<u>McCord Hill Road</u>	
Quadrangle:	<u>Tillonsville</u>	Generally used farm name:	<u>Brian Teslovich BRK</u>	
Watershed:	<u>Grog Run</u>			

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Well Operator: SWN Production Company, LLC  
Telephone: 304-231-8329  
Email: Reid\_Croff@swn.com

Address: 1300 Fort Pierpont Dr., Suite 201  
Morgantown, WV 26508  
Facsimile: \_\_\_\_\_

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WV Department of  
Environmental Protection

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as 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 of your personal information, please contact DEP's Chief Privacy Officer at [depprivacyoffice@wv.gov](mailto:depprivacyoffice@wv.gov).





4700900823

WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

**Division of Highways**

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

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

**July 13, 2020**

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

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

Subject: DOH Permit for the 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,

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

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WV Department of  
Environmental Protection

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

Product Name	Product Use	Chemical Name	CAS Number
AI-303 (U.S. Well Services)	Mixture	Ethylene glycol	107-21-1
		Cinnamaldehyde	104-55-2
		Butyl cellosolve	111-76-2
		Formic acid	64-18-6
		Polyether	Proprietary
		Acetophenone, thiourea, formaldehyde polymer	68527-49-1
AP ONE (U.S. Well Services)	Breaker	Ammonium persulfate	7727-54-0
Bactron K-139 (Champion Technologies)	Biocide	Glutaraldehyde	111-30-8
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
		Ethanol	64-17-5
Bactron K-219 (Champion Technologies)	Biocide	Methanol	67-56-1
		Quaternary Ammonium Compounds, Benzyl-C12-16-Alkyldimethyl, Chlorides	68424-85-1
CarboNRT	Tracer	Ceramic Proppant	66402-68-4
EC6486A (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
Econo-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
Ecopol-FEAC (SWN Well Services)	Iron Control	Acetic Acid	64-19-7
		Citric Acid	77-92-9
		Water	7732-18-5
FDP-51176-15 (Halliburton)	Friction Reducer	Polyacrylate	Proprietary
		Hydrotreated light petroleum distillate	64742-47-8
FLOJET DR900 LPP (SWN Well Services)	Friction Reducer	Distillates (petroleum) hydrotreated light	64674-47-8
		Ethylene Glycol	107-21-1
		Alcohols, C12-16, Exoxylated propoxylated	68213-24-1
		Fatty Alcohols ethoxylated	Proprietary
		Water	7732-18-5
FLOJET DRP 1130X (SWN Well Services)	Friction Reducer	Proprietary	Proprietary
FR-76 (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
HAI-150E (Halliburton)	Corrosion Inhibitor	No hazardous substance	N/A
HCL (SWN Well Services)	Hydrochloric Acid	Hydrochloric Acid	7647-01-0
		Water	7732-18-5
LP-65 MC (Halliburton)	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
Plexslick 930	Friction Reducer	Copolymer of 2-propenamide	Proprietary
		Hydrotreated Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Alcohols, C12-16, Exoxylated	68551-12-2
		Oleic Acid Diethanolamide	93-83-4
Plexslick 953	Friction Reducer	Ammonium Chloride	12125-02-9
		Petroleum Distillate	64742-47-8
		Sodium Chloride	7647-14-5
		Ammonium Chloride	12125-02-9
		N,N-bis (2-hydroxyethyl) oleamide	93-83-4
Plexslick 957	Friction Reducer	Petroleum Distillate	64742-47-8
		Ammonium Chloride	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
		Alcohols, C12-16, Exoxylated	68551-12-2
		Water	7732-15-5
WFRA-2000 (U.S. Well Services)	Anionic Friction Reducer	Hydrotreated light distillate (petroleum)	64742-47-8
		Propenoic acid, polymer with propenamide	9003-06-9
Plexaid 655 NM	Scale Inhibitor	Diethylenetriamine penta (methylene phosphonic acid)	15827-30-8
Plexslick 922	no data available	Copolymer of 2-propenamide	69418-26-4
		Distillates (petroleum), hydrotreated light	64742-47-8
		Ammonium chloride ((NH4)Cl)	12125-02-9
		Oleic Acid Diethanolamide	93-83-4
Tolcide P550A	Biocidal product	Tetrakis (hydroxymethyl) phosphonium sulphate	55566-30-8
		Acrylic acid terpolymer containing carboxylate phosphonate and sulfonate groups	397256-50-7
LD-2950	Friction Reducer	Hydrotreated light petroleum distillate	64742-47-8
		Ethoxylated alcohol	Proprietary
Legend LD-7750W	Scale Control	Poly (oxy-1,2-ethanediyl) alpha.-tridecyl-omega.-hydroxy-, branched	69011-36-5
		Methanol	67-56-1
		Phosphonic Acid Salt	Proprietary
MC MX 8-4743	Specialty Product	Sodium Nitrate	7631-99-4

WW-6A7  
(6-12)

OPERATOR: SWN Production Co., LLC WELL NO: Brian Teslovich BRK 201H

PAD NAME: Brian Teslovich BRK

REVIEWED BY: \_\_\_\_\_

SIGNATURE: *Brittany Woody*

### WELL RESTRICTIONS CHECKLIST

#### HORIZONTAL 6A WELL

#### Well Restrictions

- At Least 100 Feet from Pad and LOD (including any E&S Control Feature) to any Perennial Stream, Lake, Pond, Reservoir or Wetland; OR  
 DEP Waiver and Permit Conditions
- At Least 300 Feet from Pad and LOD (including any E&S Control Feature) to any Naturally Producing Trout Stream; OR  
 DEP Waiver and Permit Conditions
- At Least 1000 Feet from Pad and LOD (including any E&S Control Feature) to any Groundwater Intake or Public Water Supply; OR  
 DEP Waiver and Permit Conditions
- At Least 250 Feet from an Existing Water Well or Developed Spring to Well Being Drilled; OR  
 Surface Owner Waiver and Recorded with County Clerk, OR  
 DEP Variance and Permit Conditions
- At Least 625 Feet from an Occupied Dwelling Structure to Center of the Pad; OR  
 Surface Owner Waiver and Recorded with County Clerk, OR  
 DEP Variance and Permit Conditions
- At Least 625 Feet from Agricultural Buildings Larger than 2500 Square Feet to the Center of the Pad; OR  
 Surface Owner Waiver and Recorded with County Clerk, OR  
 DEP Variance and Permit Conditions

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APPROVED  
WVDEP OOG  
2020 11 10 2019

# BRIAN TESLOVICH WELL PAD SITE PLAN SWN PRODUCTION COMPANY, LLC

LAT/LONG: N 40.216735° W -80.634171°  
(APPROXIMATE CENTER OF PROJECT)

LOCAL EMERGENCY SERVICES

LANDLORD	NAME	TELEPHONE NO.
OWNER OF EMERGENCY ZONE	LONG VALLEY MEDICAL CENTER	800 234 0125
FIRE DEPARTMENT	911	911
LOCAL LAW ENFORCEMENT	WEST VIRGINIA POLICE DEPT	304 393 1357

FLOOD PLAIN CONDITIONS

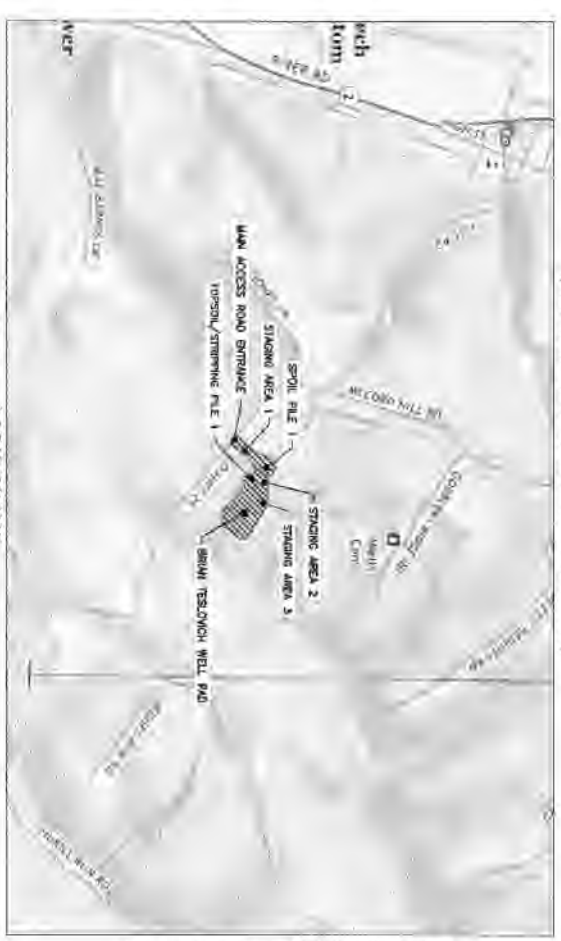
DO SITE CONSTRUCTION LASTING FOR 2-3 YEAR ECONOMIC RECOVERY PERIOD FROM CURRENT FLOODPLAIN DETERMINATION?	YES	NO
ARE THERE ANY FLOOD PLAIN ZONING REGULATIONS THAT APPLY TO THIS PROJECT? <td>NO</td> <td>NO</td>	NO	NO
DOES THE PROJECT INVOLVE ANY FLOODPLAIN ZONING REGULATIONS? <td>NO</td> <td>NO</td>	NO	NO
DOES THE PROJECT INVOLVE ANY FLOODPLAIN ZONING REGULATIONS? <td>NO</td> <td>NO</td>	NO	NO

**PROJECT CONTACTS:**  
SOUTHWESTERN PRODUCTION COMPANY, LLC  
LANCEY WALKER  
PROJECT MANAGER  
PH: 304 393 1357  
CONTACT: JAMES L. WALKER

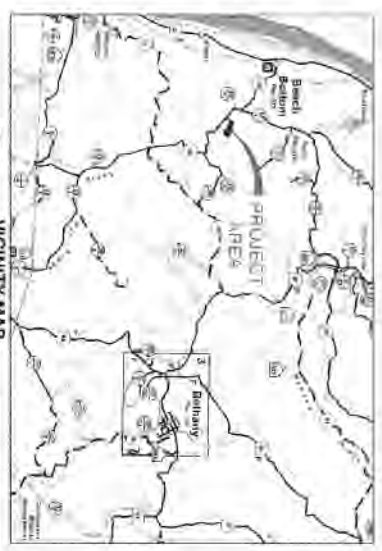
**OWNER:**  
DICKIE SIX  
1000 1/2 MI. S. OF  
CENTRAL  
GAS TOWN  
GAS TOWN, WV

**REGULATORY CONTACTS:**  
DICKIE SIX  
1000 1/2 MI. S. OF  
CENTRAL  
GAS TOWN  
GAS TOWN, WV

**CONSULTANTS:**  
WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BROOKFIELD, WV 26001  
PH: 304 393 1357  
CONTACT: JOSEPH D. ROBINSON, P.E.



LOCATION MAP  
TILTONSVILLE USGS 7.5 QUAD  
SCALE IN FEET  
1" = 1000 FEET



VICINITY MAP  
BROOKE COUNTY 7.5 QUAD  
SCALE IN FEET  
1" = 3 MILES



WEST VIRGINIA STATE LAW  
REQUIRE THAT YOU CAN  
RECALL EXACTLY  
TWO BOUNDING DIVES  
AND THE LOCATION OF  
THE SITE AND THE  
PROJECT AREA.  
CONTACT: JOSEPH D. ROBINSON, P.E.

WELL RESTRICTIONS CHECKLIST (HORIZONTAL & WELL)

AT 150' - 200' DEPTH	AT 200' - 300' DEPTH	AT 300' - 400' DEPTH	AT 400' - 500' DEPTH	AT 500' - 600' DEPTH	AT 600' - 700' DEPTH	AT 700' - 800' DEPTH	AT 800' - 900' DEPTH	AT 900' - 1000' DEPTH
NO	NO	NO	NO	NO	NO	NO	NO	NO

LOCATION COORDINATES

SITE LOCATIONS	UNIONDALE NORTH ZONE 1	UTM EASTING	ELECTRIC
MAIN ACCESS ROAD ENTRANCE	1871548	4803857	570811700
DISTRIBUTOR WELL PAD	4071554	4871904	571117018

LOD AREAS

DESCRIPTION	ACRES	PERCENTAGE	CURT (CY)	NET (CY)
MAIN ACCESS ROAD	7.84	100%	7.84	381
WELL PAD	6.17	100%	6.17	282
SPILL PILE 1	1.20	100%	1.20	55
SPILL PILE 2	1.10	100%	1.10	50
SPILL PILE 3	1.10	100%	1.10	50
TOTAL	18.41	100%	18.41	818
TOTAL EXCAVATION	18.41	100%	18.41	818

LIMITS OF DISTURBANCE TABLE

OWNER	TABLED	DEVERAGE	TOTAL ACRES	TYPE OF DISTURBANCE	ACTUARE
BRIDGE COUNTY, WEST VIRGINIA	18.41	100%	18.41	TABLED	7.84
BRIDGE COUNTY, WEST VIRGINIA	18.41	100%	18.41	TABLED	6.17
BRIDGE COUNTY, WEST VIRGINIA	18.41	100%	18.41	TABLED	1.20
BRIDGE COUNTY, WEST VIRGINIA	18.41	100%	18.41	TABLED	1.10
BRIDGE COUNTY, WEST VIRGINIA	18.41	100%	18.41	TABLED	1.10
TOTAL	18.41	100%	18.41	TABLED	18.41

SWN QUICK ESTIMATE

ITEM DESCRIPTION	UNIT	QUANTITY
MOBILIZATION/DISMOBILIZATION (limited to 1 day of Total Base Bid)	LS	1
CONSTRUCTION LABOR	LS	1
STABILIZED CONSTRUCTION ENTRANCE	EA	1
CELEBRATE & GROUNDING	AC	1.24
EARTHWORK	CY	16,627
TORNSOL REMOVAL, STOCKPILE, AND DISTRIBUTION	CY	1,340
GENERATOR	3.7	20,000
EMERGENCY CONTROL SLOPE MATTING	3.7	8,629
SETTING LAMP & BATTERIES	AC	6.87
1 1/2" FILTER SOCK	LF	2,177
3/4" FILTER SOCK	LF	153
3/4" FILTER SOCK	LF	501
PROGRAM CONTROL MATTING UNDER PFD01	LF	8,889
PROGRAM CONTROL MATTING UNDER PFD01	LF	50
OUTLET PROTECTION	LN	11
AGRICULTURE BASE ENGINE, ASSAY NO. 2 (BASE DENTH)	TON	3,879
AGRICULTURE BASE ENGINE, ASSAY NO. 2 (AVERAGE DEPTH)	TON	3,352
FOR ERT (TANK) MATERIAL	CF	2,392
FOR ERT (TANK) MATERIAL	CF	338
FOR ERT AND BONDING COLLECTION DRUMS (TOTAL LENGTH = 4 IN SOLID SCHED 40)	EA	140
WELL PAD AND SLURRY TYPES DRIP INLET	EA	4
WELL PAD AND SLURRY TYPES DRIP INLET	EA	108
WELL PAD AND SLURRY TYPES DRIP INLET	EA	54
WELL PAD AND SLURRY TYPES DRIP INLET	EA	54
FRESH PNEUMATIC SHARBLE	EA	0
WELL PAD AND ENTRANCE ROAD	LF	1,788
TOTAL		

22.7.8

REVISION RECORD

NO.	DATE	BY	DESCRIPTION

**C.E.C.**  
Civil & Environmental Consultants, Inc.  
500 Marketplace Ave. Suite 200 Bridgeport, WV 26300  
Ph: 304.933.1119 685.448.8559 Fax: 304.933.5327  
www.ccec.com

SWN PRODUCTION COMPANY, LLC  
BRIAN TESLOVICH WELL PAD  
BUFFALO DISTRICT  
BROOKE COUNTY, WEST VIRGINIA

COVER SHEET  
DATE: OCTOBER 2018  
DRAWN BY: AS SHOWN  
CHECKED BY: JDR  
PROJECT NO: 17-1007  
APPROVED BY: JDR

C000





