

State of West Virginia  
Department of Environmental Protection - Office of Oil and Gas  
Well Operator's Report of Well Work

API 47-009-00325 County BROOKE District BUFFALO DISTRICT  
Quad TILTONSVILLE Pad Name BRIAN TESLOVICH-BRK-PAD1 Field/Pool Name PANHANDLE FIELD WT  
Farm name BRIAN L. TESLOVICH Well Number BRIAN TESLOVICH BRK 1H  
Operator (as registered with the OOG) SWN PRODUCTION COMPANY, LLC  
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,451,872.548 Easting 531,192.268  
Landing Point of Curve Northing 4,451,143.565 Easting 531,515.083  
Bottom Hole Northing 4,455,211.303 Easting 529,709.465

Elevation (ft) 1,149' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviated  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrilling  Rework  Stimulate  
Well Type  Brine Disposal  CBM  Gas  Oil  Secondary Recovery  Solution Mining  Storage  Other \_\_\_\_\_  
Type of Completion  Single  Multiple Fluids Produced  Brine  Gas  NGL  Oil  Other \_\_\_\_\_  
Drilled with  Cable  Rotary

Drilling Media Surface hole  Air  Mud  Fresh Water Intermediate hole  Air  Mud  Fresh Water  Brine  
Production hole  Air  Mud  Fresh Water  Brine  
Mud Type(s) and Additive(s)  
SOBM

Date permit issued 1/11/2021 Date drilling commenced 11/15/2021 Date drilling ceased 12/01/2021  
Date completion activities began 1/22/2022 Date completion activities ceased 3/10/2022  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 115' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 405' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 258' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

Reviewed

Reviewed by:  
JR 8-23-22

09/09/2022

API 47-009 - 00325 Farm name BRIAN L. TESLOVICH Well number BRIAN TESLOVICH BRK 1H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	24	20	126	NEW	J-55/94#		Y
Surface	17.5	13.375	325	NEW	J-55/54.5#	197.2'/155.3'	Y; 4 BBLS
Coal							
Intermediate 1	12.25	9.625	1,633	NEW	J-55/36#		Y; 38 BBLS
Intermediate 2							
Intermediate 3							
Production	8.50	5.5	22,161	NEW	HCP-110/24#		Y; 95 BBLS
Tubing		2.375	7,483	NEW	P-110/6.5#		N
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	178	15.6	1.20	213.6	SURFACE	8
Coal							
Intermediate 1	CLASS A	665	15.6	1.19	791.35	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3,756	15	1.29	4,845.24	SURFACE	24
Tubing							

Drillers TD (ft) 22,164' Loggers TD (ft) 22,164'  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 5,911'

Check all wireline logs run  caliper  density  deviated/directional  induction  
 neutron  resistivity  gamma ray  temperature  sonic

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING \_\_\_\_\_

SURFACE: 3 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 INTERMEDIATE: 22 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 PRODUCTION: 455 CENTRALIZERS - EVERY THIRD JOINT FROM SURFACE TO TOP OF CURVE, THEN EVERY JOINT UNTIL TD

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WAS WELL COMPLETED AS SHOT HOLE  Yes  No DETAILS \_\_\_\_\_

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WAS WELL COMPLETED OPEN HOLE?  Yes  No DETAILS \_\_\_\_\_

WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMENT	1		

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
		SEE	ATTACHMENT	2				

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
<u>MARCELLUS</u>	<u>5,761'</u> TVD	<u>7,263'</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 2,035 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs

OPEN FLOW Gas 3,934 mcfpd Oil 718 bpd NGL \_\_\_\_\_ bpd Water 2,063 bpd  
GAS MEASURED BY  Estimated  Orifice  Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	<u>0</u>		<u>0</u>		
	<u>SEE</u>	<u>ATTACHMENT</u>	<u>3</u>		

Please insert additional pages as applicable.

Drilling Contractor SWN DRILLING COMPANY  
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Logging Company BAKER HUGHES  
Address 9110 GROGANS MILL RD City THE WOODLANDS State TX Zip 77380

Cementing Company SCHLUMBERGER WELL SERVICES  
Address 110 SCHLUMBERGER DRIVE City SUGAR LAND State TX Zip 77478

Stimulating Company PROFRAC  
Address 333 SHOPS BLVD City WILLOW PARK State TX Zip 76087

Please insert additional pages as applicable.

Completed by CAROL PRUITT Telephone 832-796-3007  
Signature *Carol Pruitt* Title SR. REGULATORY ANALYST Date 5.2.2022

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

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**BRIAN TESLOVICH BRK 1H**  
**ATTACHMENT 1**  
**PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
2	1/22/2022	21,921	21,742	36
3	1/22/2022	21,709	21,530	36
4	1/24/2022	21,497	21,318	36
5	1/26/2022	21,285	21,106	36
6	1/26/2022	21,073	20,894	36
7	1/26/2022	20,861	20,682	36
8	1/27/2022	20,649	20,470	36
9	2/6/2022	20,436	20,258	36
10	2/7/2022	20,224	20,046	36
11	2/7/2022	20,012	19,834	36
12	2/7/2022	19,800	19,622	36
13	2/8/2022	19,588	19,409	36
14	2/8/2022	19,376	19,197	36
15	2/8/2022	19,164	18,985	36
16	2/8/2022	18,952	18,773	36
17	2/8/2022	18,740	18,561	36
18	2/9/2022	18,528	18,349	36
19	2/9/2022	18,316	18,137	36
20	2/9/2022	18,104	17,925	36
21	2/9/2022	17,892	17,713	36
22	2/9/2022	17,680	17,501	36
23	2/10/2022	17,467	17,289	36
24	2/10/2022	17,255	17,077	36
25	2/10/2022	17,043	16,865	36
26	2/10/2022	16,831	16,653	36
27	2/10/2022	16,619	16,440	36
28	2/10/2022	16,407	16,228	36
29	2/11/2022	16,195	16,016	36
30	2/11/2022	15,983	15,804	36
31	2/11/2022	15,771	15,592	36
32	2/11/2022	15,559	15,380	36
33	2/11/2022	15,347	15,168	36
34	2/11/2022	15,135	14,956	36
35	2/12/2022	14,923	14,744	36
36	2/12/2022	14,711	14,532	36
37	2/12/2022	14,498	14,320	36
38	2/12/2022	14,286	14,108	36
39	2/12/2022	14,074	13,896	36
40	2/12/2022	13,862	13,684	36
41	2/12/2022	13,650	13,471	36
42	2/13/2022	13,438	13,259	36
43	2/13/2022	13,226	13,047	36

**BRIAN TESLOVICH BRK 1H  
ATTACHMENT 1  
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
44	2/13/2022	13,014	12,835	36
45	2/13/2022	12,802	12,623	36
46	2/13/2022	12,590	12,411	36
47	2/13/2022	12,378	12,199	36
48	2/14/2022	12,166	11,987	36
49	2/14/2022	11,954	11,775	36
50	2/14/2022	11,742	11,563	36
51	2/14/2022	11,529	11,351	36
52	2/14/2022	11,317	11,139	36
53	2/15/2022	11,105	10,927	36
54	2/15/2022	10,893	10,714	36
55	2/15/2022	10,681	10,502	36
56	2/15/2022	10,469	10,290	36
57	2/15/2022	10,257	10,078	36
58	2/15/2022	10,045	9,866	36
59	2/15/2022	9,833	9,654	36
60	2/16/2022	9,621	9,442	36
61	2/16/2022	9,409	9,230	36
62	2/16/2022	9,197	9,018	36
63	2/16/2022	8,985	8,806	36
64	2/16/2022	8,772	8,594	36
65	2/17/2022	8,560	8,382	36
66	2/21/2022	8,348	8,170	36
67	2/22/2022	8,136	7,958	36
68	2/22/2022	7,924	7,745	36
69	2/26/2022	7,712	7,533	36
70	2/27/2022	7,500	7,321	36

BRIAN TESLOVICH BRK 1H

ATTACHMENT 2

STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
2	1/22/2022	98.1	8,870	5,376	4,441	372,720	168,610	0
3	1/22/2022	97	9,512	4,933	4,389	375,200	9,589	0
4	1/25/2022	92.3	8,578	4,574	4,371	361,400	9,254	0
5	1/26/2022	99.4	8,573	4,226	5,386	366,240	9,469	0
6	1/26/2022	97.6	9,031	5,003	4,583	370,200	8,694	0
7	1/27/2022	93.7	8,796	4,866	4,397	360,940	8,758	0
8	2/6/2022	97.3	9,007	4,629	4,307	357,840	8,441	0
9	2/7/2022	98.2	8,833	4,726	4,194	360,120	8,519	0
10	2/7/2022	83.9	8,336	4,866	4,346	200,040	7,301	0
11	2/7/2022	96.6	9,282	4,871	4,326	359,620	8,608	0
12	2/8/2022	99	8,867	4,574	4,260	354,760	8,415	0
13	2/8/2022	95.4	8,488	5,121	4,905	354,920	8,617	0
14	2/8/2022	98.4	8,327	5,038	5,216	360,960	8,318	0
15	2/8/2022	97.6	8,781	4,729	4,417	356,980	8,292	0
16	2/8/2022	96.4	8,975	5,002	4,304	357,540	8,480	0
17	2/8/2022	84.6	9,161	4,527	4,163	360,420	13,819	0
18	2/9/2022	95.5	8,724	4,800	4,635	360,660	8,442	0
19	2/9/2022	99	8,558	4,797	4,845	359,060	8,360	0
20	2/9/2022	98	8,408	4,764	4,421	359,840	8,318	0
21	2/9/2022	99.2	8,215	4,788	4,255	359,320	8,247	0
22	2/10/2022	98.6	8,302	3,629	4,514	360,140	8,527	0
23	2/10/2022	99.1	8,191	4,828	4,956	362,440	8,208	0
24	2/10/2022	98.7	7,787	4,577	5,390	361,560	8,232	0
25	2/10/2022	97.2	8,106	5,077	4,498	361,880	8,533	0
26	2/10/2022	98.8	7,748	4,544	4,580	360,760	8,407	0
27	2/10/2022	99.1	8,051	4,908	4,717	360,240	8,119	0
28	2/10/2022	98.6	7,763	3,580	5,691	361,340	8,198	0
29	2/11/2022	99.2	7,950	5,144	5,339	368,920	8,356	0
30	2/11/2022	98.6	7,838	4,932	5,005	361,520	8,269	0
31	2/11/2022	99	7,885	5,297	4,813	363,200	8,570	0
32	2/11/2022	99.3	7,867	5,131	5,128	362,900	8,356	0
33	2/11/2022	99.2	7,846	4,842	4,887	362,540	8,192	0
34	2/11/2022	99.4	7,698	4,857	5,719	359,160	8,106	0
35	2/12/2022	98.8	7,635	4,879	5,289	359,620	8,085	0
36	2/12/2022	98.9	7,225	4,827	5,716	364,840	8,173	0
37	2/12/2022	99.4	7,583	5,065	4,980	367,080	8,274	0
38	2/12/2022	98.8	7,634	5,026	5,609	360,780	8,215	0
39	2/12/2022	99.1	7,451	4,985	5,800	365,140	8,080	0
40	2/12/2022	98.9	7,782	4,968	4,385	360,060	8,101	0
41	2/13/2022	99.2	7,423	3,902	5,310	363,660	8,174	0
42	2/13/2022	99.5	7,429	4,647	5,369	364,560	8,280	0
43	2/13/2022	92.6	8,139	5,193	4,464	360,440	8,362	0
44	2/13/2022	95.3	7,905	5,069	4,575	362,880	8,163	0
45	2/13/2022	99.9	7,330	4,273	4,934	366,200	8,013	0
46	2/13/2022	99.1	6,940	4,611	6,010	360,640	7,904	0
47	2/14/2022	99.7	7,611	3,619	4,493	361,460	7,919	0
48	2/14/2022	98.9	7,022	5,081	5,510	365,680	7,624	0
49	2/14/2022	99.8	7,078	5,156	5,604	363,640	8,055	0
50	2/14/2022	99.7	7,223	5,056	5,144	360,700	7,925	0
51	2/14/2022	100	6,793	4,669	6,162	361,040	8,200	0
52	2/14/2022	99.3	6,629	4,679	5,911	363,640	7,805	0
53	2/15/2022	99.6	6,963	5,094	4,707	361,760	8,136	0
54	2/15/2022	98.3	6,904	4,986	4,630	360,240	8,305	0

BRIAN TESLOVICH BRK 1H

ATTACHMENT 2

STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/oth
55	2/15/2022	98.8	6,885	5,074	4,881	360,900	8,032	0
56	2/15/2022	100	6,989	5,113	5,390	360,140	7,958	0
57	2/15/2022	99.4	6,941	5,136	5,081	360,980	7,687	0
58	2/15/2022	99.3	6,907	4,059	5,344	364,960	7,747	0
59	2/16/2022	99.3	6,734	5,057	5,375	364,080	7,839	0
60	2/16/2022	99.1	6,617	5,382	4,743	360,940	7,743	0
61	2/16/2022	99	6,650	5,608	4,902	362,180	7,684	0
62	2/16/2022	98.3	6,566	6,040	4,664	359,900	7,600	0
63	2/16/2022	99.7	6,757	5,163	4,859	362,360	7,738	0
64	2/16/2022	100	6,473	4,005	5,518	368,480	7,787	0
65	2/20/2022	99.2	6,582	4,942	5,245	375,940	7,770	0
66	2/22/2022	99.1	7,177	5,386	4,466	353,360	7,623	0
67	2/22/2022	100.1	6,591	4,783	5,174	352,240	7,554	0
68	2/26/2022	94	7,845	5,426	4,638	355,720	7,295	0
69	2/27/2022	99.3	6,521	5,136	5,116	358,880	7,359	0
70	2/27/2022	99.6	6,418	5,377	4,668	355,340	7,563	0



# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/22/2022
Job End Date:	2/27/2022
State:	West Virginia
County:	Brooke
API Number:	47-009-00325-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Brian Teslovich BRK 1H
Latitude:	40.21669770
Longitude:	-80.63342000
Datum:	NAD27
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,720
Total Base Water Volume (gal):	30,509,511
Total Base Non Water Volume:	0



## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Water	SWN	Carrier/Base Fluid	Water	7732-18-5	100.00000	88.50283	None
Sand (40/70 White Proppant)	SWN	Proppant	Silica Substrate	14808-60-7	100.00000	6.24161	None
Sand (100 Mesh Proppant)	SWN	Proppant	Silica Substrate	14808-60-7	100.00000	4.76896	None
Hydrochloric Acid (7.5%)	CNR	Acidizing	Water	7732-18-5	85.00000	0.32227	None
			Hydrochloric Acid (Hydrogen Chloride)	7647-01-0	37.00000	0.14028	None
PLEXSLICK 930	SWN Well Services	Friction Reducer	Water	7732-18-5	57.00000	0.04912	None
			copolymer of 2-propenamamide	69418-26-4	20.00000	0.01724	None
			Petroleum Distillates, Hydrotreated	64742-47-8	20.00000	0.01724	None
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00129	None
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00129	None

Plexaid 655	SWN Well Services	Scale Inhibitor					
			Water	7732-18-5	90.00000	0.01051	None
			Diethylenetriamine penta	15827-60-8	10.00000	0.00117	None
Tolicide 4Frac	SWN Well Services	Biocide					
			Tetrakis	55566-30-8	45.00000	0.00328	None
			Water	7732-18-5	45.00000	0.00328	None
			Quaternary ammonium compounds	68424-85-1	7.50000	0.00055	None
			Ethanol	64-17-5	2.50000	0.00018	None
ProHib 100	CNR	Acid Inhibitor					
			2-Butoxyethanol	111-76-2	60.00000	0.00079	None
			Proprietary material	68391-11-7	30.00000	0.00039	None
			Proprietary non-ionic surfactant	9043-30-5	20.00000	0.00026	None
			Proprietary ethoxylated alcohol	84133-50-6	10.00000	0.00013	None
			Proprietary corrosion inhibitor	104-55-2	10.00000	0.00013	None
ProFE 105	CNR	Iron Control					
			Citric Acid	77-92-9	20.00000	0.00020	None
			Acetic Acid	64-19-7	5.00000	0.00005	None
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
Other Chemical(s)	Listed Above	See Trade Name(s) List					
			Water	7732-18-5	85.00000	0.32227	
			Water	7732-18-5	57.00000	0.04912	
			copolymer of 2-propenamide	69418-26-4	20.00000	0.01724	
			Water	7732-18-5	90.00000	0.01051	
			Water	7732-18-5	45.00000	0.00328	
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00129	
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00129	
			Quaternary ammonium compounds	68424-85-1	7.50000	0.00055	
			Proprietary material	68391-11-7	30.00000	0.00039	
			Proprietary non-ionic surfactant	9043-30-5	20.00000	0.00026	
			Ethanol	64-17-5	2.50000	0.00018	
			Proprietary ethoxylated alcohol	84133-50-6	10.00000	0.00013	
			Proprietary corrosion inhibitor	104-55-2	10.00000	0.00013	
			Acetic Acid	64-19-7	5.00000	0.00005	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

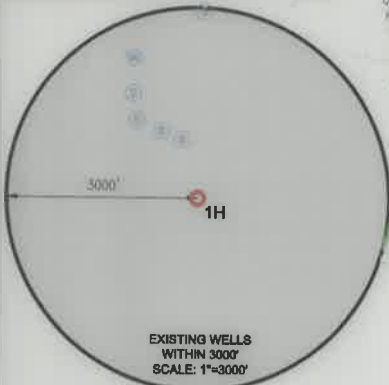
Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.  
120 GENESIS BOULEVARD  
BRIDGEPORT, WV 26330  
304-933-3119

<b>PERMIT SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,872.398 EASTING: 531,192.381
<b>PERMIT LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,033.002 EASTING: 531,566.310
<b>PERMIT BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,455,212.022 EASTING: 529,710.251
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,872.548 EASTING: 531,192.268
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,143.565 EASTING: 531,515.083
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,455,211.303 EASTING: 529,709.465

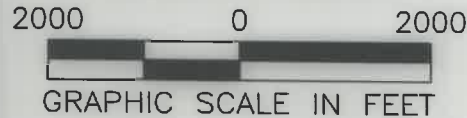


**WELL RESTRICTIONS**

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 800 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS.

**NOTES ON SURVEY**

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

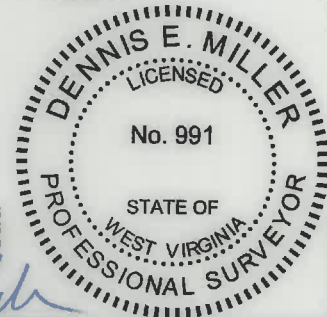


I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

P.S. 991



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



COMPANY: **SWN** Production Company, LLC

OPERATOR'S WELL #: **1H**  
API WELL #: **47** STATE **009** COUNTY **00325** 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: SWN PRODUCTION COMPANY, LLC

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) **ASDRILLED**

TARGET FORMATION: MARCELLUS  
ESTIMATED DEPTH: 5806.6' **09/09/2022**

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

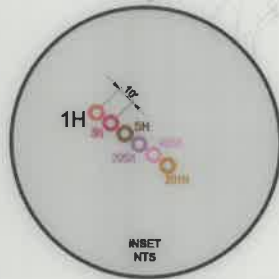
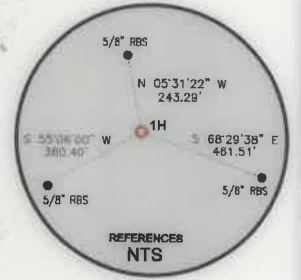
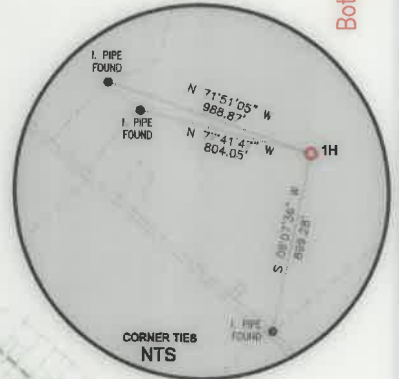
DESIGNATED AGENT: BRITTANY WOODY  
ADDRESS: 1300 FORT PIERPONT DRIVE, STE 201  
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

<b>LEGEND:</b>	<ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL: LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> <li>SURVEYED BOUNDARY</li> <li>DRILLING UNIT</li> <li>LEASE BOUNDARY</li> <li>ASDRILLED PATH</li> <li>PROPOSED PATH</li> <li>TURNING POINT LOCATION</li> </ul>	<b>REVISIONS:</b> DATE: 04-26-2022 DRAWN BY: K.E.S. SCALE: 1" = 2000' DRAWING NO: 175-057 WELL LOCATION PLAT
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BOTTOM HOLE 7171' SURFACE HOLE 2351'

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

GRID NORTH  
UTM, NAD83 DATUM, ZONE 17, US FT  
Bottom Hole Longitude: 80°37'30"  
Top Hole Longitude: 80°37'30"



AS-DRILLED SURFACE HOLE LOCATION

LPL

**AS-DRILLED**

BOTTOM HOLE 1186'  
SURFACE HOLE 12135'



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.  
120 GENESIS BOULEVARD  
BRIDGEPORT, WV 26330  
304-933-3119

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	WINDSOR POWER HOUSE COAL CO	03-836-104
B	COLUMBIA GAS COMPANY	03-836-144
C	LOUGHRIE FLOYD R & DORIS M	03-836L-38
D	MASSEY TAMMY S	03-836L-39
E	HAMILTON KEITH	03-836L-37
F	STILLION DANNY L & THERESA E (SURV)	03-836L-40
G	CONLEY CHARLES A & LINDA (SURV)	03-836L-69
H	CONLEY CHARLES & LINDA LOU (JTWS)	03-836L-56
I	BEECH CREST IMPROVEMENT ASSOCIATION, THE	03-836L-58
J	LEMASTERS LARRY W & LINDA J	03-836L-59
K	GORDER MARK;JOHN;ETAL (LE-GREGORY & VERA GORDER	03-836G-21
L	STEPHENS BARBARA JEAN	03-836G-19
M	STEPHENS BARBARA JEAN	03-836G-18
N	SMITH MELONIE J	03-836G-25
O	SMITH MELONIE J	03-836G-26
P	ULLOM THOMAS R & ELEANOR J (SURV)	03-836G-27
Q	ULLOM THOMAS R & ELEANOR J (SURV)	03-836G-28
R	ULLOM THOMAS R & ELEANOR J (SURV)	03-836G-29
S	HOFFER EUGENE & MARY LOU	03-836G-38
T	CLARK FAMILY 1988 TRUST (L EST LOIS PAULINE BRYANT)	03-836G-40
U	KENNEDY JASON D	03-836G-39
V	LEMASTERS HARLEY	03-836G-46
W	LEMASTERS HARLEY	03-836G-45
X	LEMASTERS HARLEY	03-836G-44
Y	LEMASTERS HARLEY	03-836G-43
Z	LEMASTERS HARLEY J	03-836G-42
AA	LEMASTERS HARLEY J	03-836G-41
BB	WALLACE LESTER & KATHERINE (SURV)	03-836G-1
CC	BUSINESS DEV CORP OF THE NORTHERN PANHANDLE	01-836B-23.1
DD	BOARD OF EDUCATION	01-836B-106
EE	VILLAGE OF BEECH BOTTOM	01-836B-17
FF	VILLAGE OF BEECH BOTTOM	01-836B-16
GG	SMART JUSTIN & AMANDA (JTWS)	01-836B-13
HH	LEWIS GEORGE M & JUDY (SURV)	01-836B-12
II	DAUGHERTY BELINDA; ET AL (L EST- JUNE ANN DAUGHERTY)	01-836B-11
JJ	MCCUTCCHAN BARBARA	01-836B-10
KK	HUNTER BRICE & VICKI LYNN	01-836B-9
LL	PHILABAUM ANDREW J & BRADLEY STEPHANIE (JTWS)	01-836B-8
MM	PHILABAUM ANDREW J & BRADLEY STEPHANIE (JTWS)	01-836B-7
NN	RICHIE JOHN C & KELLY A	01-836B-6
OO	RICHIE JOHN C & KELLY A	01-836B-5
PP	DALBO PATRICK J	01-836B-2
QQ	VILLAGE OF BEECH BOTTOM	01-836B-1
RR	SMITH JOYCE A	01-836B-120
SS	EMASES PROPERTIES LLC	01-836B-121.1
TT	COUCH LARRY WILLIAM (LIFE ESTATE-JEAN COUCH)	01-836B-124
UU	CONERY EDWARD A	01-836B-125
VV	MILLER LOUIS & ARLINE	03-836-5
WW	MILLER LOUIS & ARLINE	03-836-6
XX	UNKNOWN	03-831-74
YY	BAKER OTIS M JR & EDNA JO	01-8831-19
ZZ	PELL ALBERT T & SHEILA SURV	01-8831-25
AAA	NIELSEN CARL P & MARGARET (SURV)	03-831-58
BBB	CROSS REBECCA RUTH	03-831-81.1
CCC	LOMBARD BERNARD J III &	01-8831-58
DDD	MCLEAN JAMES B & CYNTHIA S (SURV)	01-8831-59
EEE	MCCLLOUD BARBARA J & WILSON MARY LOUISE	01-8831-60
FFF	MCABEE MICHAEL D	01-8831-62
GGG	GIBSON JENNIFER A	01-8831-63
HHH	VIDERMAN DAVID G JR & LINDA J.R. (SURV)	01-8831-1
III	ONONDAGA HOLDING COMPANY LLC	01-8831-67
JJJ	ALLEN ZACHARY A.	01-8831-67.1
KKK	WEST VIRGINIA DEPT OF TRANSPORTATION DOH	03-831-4
LLL	WALNOHA RAY	03-831-5
MMM	WALNOHA RAY	03-831-6
NNN	THOMPSON ETAL & A&G THOMPSON GROUP LLC	03-831-8
OOO	ALLEN CHARLES WESLEY	03-831-7
PPP	WEEKLY MARION; GROVES NANCY	03-831-130
QQQ	ROBINSON PATRICIA GRAYSON	03-831-83
RRR	GRIMM JAMES W	03-831-129
SSS	GRIMM JAMES W & ROBIN LYNN (SURV)	03-831-128
TTT	GRIMM JAMES W	03-831-127
UUU	LEMASTERS HARLEY J	03-831-126
VVV	STEWART DEBBIE	03-831-125
WWW	LEMASTERS HARLEY J	03-831-124
XXX	LEMASTERS HARLEY J	03-831-123
YYY	COOPER KYLE T & KATLIN R (JTWS)	03-831-122
ZZZ	WOOLWINE TIMOTHY A & MELINA BETH	03-831-80
AAAA	CROSS REBECCA RUTH	03-831-81.1
BBBB	WALNOHA MICHAEL S	03-831-79
CCCC	FODOR STEPHEN A	03-836-176
DDDD	HOFFMAN JOHN R; BUCHANAN ALICE J	03-836-175
EEEE	LEONARD PAUL D & KIMBERLY D (SURV)	03-836-173
FFFF	LEMASTERS HARLEY J & REBECCA K (SURV)	03-836-149
GGGG	LEMASTERS HARLEY J & REBECCA K (SURV)	03-836-150
HHHH	HEHR JUSTIN	03-836-151

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
IIIH	HEHR JUSTIN W & DAYNA A	03-836-152
JJJJ	MCCONKEY TIMOTHY & CATHERINE (SURV)	03-836-153
KKKK	MCCONKEY TIMOTHY & CATHERINE (SURV)	03-836-154
LLLL	LEMASTERS HARLEY J & REBECCA K (SURV)	03-836-158
MMMM	CATULLO JOHN A	03-836-157
NNNN	MILLER LOUIS	03-836-125
OOOO	MONROE NORMAN JR & GAE REGINIA (ETAL) JTWS	03-836-130
PPPP	FIBER RICKEY E	03-836-132
QQQQ	ANDERSON JEROME & CATHY	03-836-134
RRRR	ANDERSON JEROME W & CATHY SURV	03-836-135
SSSS	FIBER MERRY M	03-836-133
TTTT	CHAPEL HILL CHURCH	03-836-131
UUUU	LIZON JOSEPH P JR	03-836-123
VVVV	HOPKINS DALE V	03-836-124
WWWW	ROCKHOLD HOWARD M & DEBROAH S (SURV)	03-836-122
XXXX	HUNT HAROLD R	03-836-121
YYYY	MONROE CHARLES N & GAY R (SURV)	03-836-120
ZZZZ	LOY CHRISTOPHER S & INGRID E (SURV)	03-836-119
AAAAA	GEORGE MAXINE(TOD) & JOHN GEORGE JR	03-841-100
BBBBB	COWAN ERVAN R;RICHARD; DIGHT DIANE;TENNANT JODY	03-841-101
CCCCC	COCHRAN WILLIAM J & SANDRA L (SURV)	03-841-102
DDDDD	SMITH WAYNE J & KASSI JO (SURV)	03-841-103
EEEEE	SMITH WAYNE J & KASSI JO (SURV)	03-841-104
FFFFF	SNODERLY ROGER L & KAREN A (JTWS)	03-841-105
GGGGG	SNODERLY ROGER L & KAREN A (SURV)	03-841-106
HHHHH	KADESH CHAPEL CEMETARY	03-841-107
IIIII	KADESH CHAPEL CEMETARY	03-841-108
JJJJJ	LOWMILLER REBECCA A	03-841-96
KKKKK	FLUHARTY ELIZABETH ELLEN	03-841-95
LLLLL	CAPP ERNEST F & JOANNE P	03-841-98
MMMMM	CAPP ERNEST F & JOANNE	03-841-64
NNNNN	DUFFY CAROL L	03-836-113
OOOOO	COEN SCOTTY B & AMY L (SURV)	03-836-138
PPPPP	ADAMS MARK A & MELODY J	03-836-139
QQQQQ	FATHERINGHAM ROBERT & GEORGIA	03-836-109
RRRRR	PHILLIPS MARK-1/6 ATKINSON GAIL-1/6 ETAL	03-836-107
SSSSS	BRITT CONNIE C	03-836-141
TTTTT	ADAMS MARK A & MELODY J	03-836-139
UUUUU	RICHMAN TREVOR SEAN	03-836-106
VVVVV	BEECH BOTTOM VOLUNTEER FIRE DEPARTMENT	03-836-105

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	BRIAN L. TESLOVICH (S) / SWN PRODUCTION COMPANY LLC (R)	03-836-145
2	COULTER LYNN;DAVID ETAL (LE-LAVAUGHN COULTER)	03-836-143
3	ADAMS MARK A & MELODY J	03-836-142
4	COEN SCOTTY B & AMY L (SURV)	03-836-136
5	COEN SCOTTY B & AMY L (SURV)	03-836-137
6	BROOKE COUNTY ROUTE 28	
7	VAN HORN MARK LLOYD & JOANN (SURV)	03-836-114
8	SEIDLER ELIJAH H. & FARMER CHARENCE JR.	03-836-115
9	DONNA HARMS & CAROLYN BARNS	03-836-116
10	FERRY JEFFREY ALAN ETAL (LE-MAX F & PATRICIA FERRY)	03-836-117
11	VAN HORN MARK LLOYD & JOANN (SURV)	03-836-118
12	BASIL LORETTA JOAN	03-841-99
13	LEMASTERS HARLEY J & REBECCA K (SURV)	03-836-159
14	WRIGHT MARKUS K & PEGGY J & FKA PEGGY J SAYRE	03-836-160
15	VIAU THOMAS J & JENNIFER J (JTWS)	03-836-161
16	GRAHAM DEBORAH A	03-836-162
17	ULLOM THOMAS R & ELEANOR J (SURV)	03-836G-30
18	HENTHORN HOMER JR & DORIS	03-836G-31
19	HENTHORN HOMER H & DORIS	03-836G-32
20	HENTHORN HOMER H & DORIS	03-836G-33
21	LANGLEY ROBERT L & LANGLEY AMY	03-836G-34
22	LANGLEY ROBERT L & LANGLEY AMY JO	03-836G-35
23	LANGLEY ROBERT L & LANGLEY AMY JO	03-836G-36
24	LANGLEY ROBERT L & LANGLEY AMY JO	03-836G-37
25	LEMASTERS HARLEY J	03-836G-47
26	LEMASTERS HARLEY J	03-836-170
27	LEONARD BRANNON P & EMILY M (SURV)	03-836-171
28	LEONARD BRANNON P & EMILY M (SURV)	03-836-172
29	BUSINESS DEV CORP OF THE NORTHERN PANHANDLE	01-8836-23.1
30	LOMBARD BERNARD J III	03-831-81
31	LOMBARD BERNARD J III	03-831-82
32	SCHIAPPA AND COMPANY INC	01-8831-65
33	KOKOSINSKI JASON & JARRETT	01-8831-64
34	KOKOSINSKI JASON EDWARD	01-8831-64.1
35	ALLEN ZACHARY A.	01-8831-66
36	ONONDAGA HOLDING COMPANY LLC	01-8831-67
37	WV STATE ROUTE 2	
38	THOMPSON ETAL & A&G THOMPSON GROUP LLC	03-831-8
39	W VA DEPT OF HIGHWAYS	03-827-11
40	TOUPS AMY M TRUST OF 2013 J MATTHEW & ELIZ PADDEN	03-831-14
41	OHIO RIVER	

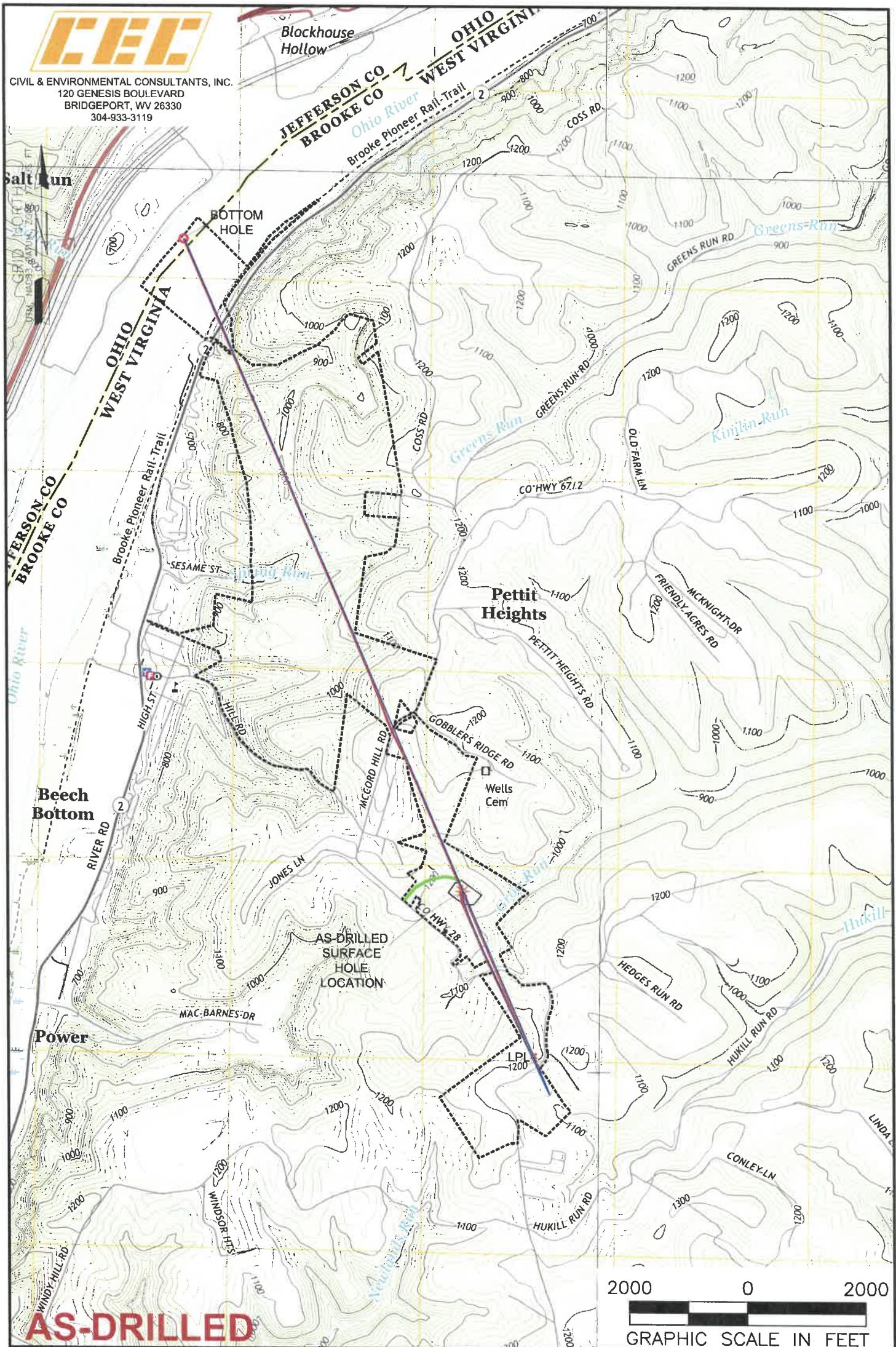
API WELL #: 47 STATE 009 COUNTY 00325 PERMIT

AS-DRILLED  
09/09/2022

REVISIONS:	COMPANY:	DATE: 04-26-2022	
	SWN Production Company, LLC	DRAWN BY: K.E.S.	
	OPERATOR'S	BRIAN TESLOVICH BRK	SCALE: N/A
	WELL #:	1H	DRAWING NO: 175-057
	DISTRICT:	BUFFALO DISTRICT	WELL LOCATION PLAT 2
	COUNTY:	BROOKE	
	STATE:	WV	



CIVIL & ENVIRONMENTAL CONSULTANTS, INC.  
 120 GENESIS BOULEVARD  
 BRIDGEPORT, WV 26330  
 304-933-3119



**NOTES ON SURVEY**

1. SURFACE AND ROYALTY OWNER 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.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊕ EXISTING / PRODUCING WELLHEAD
- LPL \* LANDING POINT LOCATION
- ⊙ EXISTING WATER WELL
- ⊙ EXISTING SPRING
- SURVEYED BOUNDARY
- LEASE BOUNDARY
- ASDRILLED PATH
- PROPOSED PATH

09/09/2022

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> BRIAN TESLOVICH BRK	<b>WELL #</b> 1H	<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		