

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

API 47-009-00298 County BROOKE District CROSS CREEK  
Quad STEUBENVILLE EAST, OH Pad Name STATE OF WV DNR A BRK PAD Field/Pool Name PANHANDLE FIELD WET  
Farm name STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR Well Number STATE OF WV DNR A 205H  
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 4,463,506.30 Easting 539,496.43  
Landing Point of Curve Northing 4,463,668.11 Easting 539,896.01  
Bottom Hole Northing 4,467,135.22 Easting 538,303.44

Elevation (ft) 1,139.8' 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 2/7/2020 Date drilling commenced 9/16/2020 Date drilling ceased 9/28/2020  
Date completion activities began 1/01/2021 Date completion activities ceased 2/7/2021  
Verbal plugging (Y/N) N Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 542 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 692 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 99 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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Reviewed by:  
Benny Attkins  
08/27/2021

API 47-009 - 00298 Farm name STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR Well number STATE OF WV DNR A 205H

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	655	NEW	J-55/54.50#	567.9	Y, 24 BBLS
Coal							
Intermediate 1	12.25	9.625	1,454	NEW	J-55/36#		Y, 25 BBLS
Intermediate 2	12.25	9.625					
Intermediate 3							
Production	8.75/8.50	6.5	19,032	NEW	P-110HP/20#		Y
Tubing		2.375	6,496	NEW	P-110/4.7#		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	584	15.60	1.20	700.8	SURFACE	8
Coal							
Intermediate 1	CLASS A	569	15.60	1.19	677.11	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3,635	15.60	1.19	4,325.65	SURFACE	24
Tubing							

Drillers TD (ft) 19,032 Loggers TD (ft) 19,032

Deepest formation penetrated \_\_\_\_\_ Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 5,033'

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: 7 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 INTERMEDIATE: 24 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 PRODUCTION: 181 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 \_\_\_\_\_

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

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/1/2021
Job End Date:	1/24/2021
State:	West Virginia
County:	Brooke
API Number:	47-009-00298-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	STATE OF WV DNR A BRK 205
Latitude:	40.32114901
Longitude:	-80.53511000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,607
Total Base Water Volume (gal):	19,707,016
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
Base Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	88.29124	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	85.00000	0.22682	

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HCL	SWN Well Services	Solvent					
				Listed Below			
Tolicide PS 50A	SWN Well Services	Biocide					
				Listed Below			
Econo-CI200	SWN Well Services	Corrosion Inhibitor					
				Listed Below			
Ecopol-FEAC	SWN Well Services	Iron Control					
				Listed Below			
SWN FRW-11LC	SWN Well Services	Friction Reducer					
				Listed Below			
Plexaid 655WG	SWN Well Services	Scale Inhibitor					
				Listed Below			
Sand	SWN Well Services	Proppant					
				Listed Below			

Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.

		Crystalline Silica, quartz	14808-60-7	100.00000	11.41609
		Hydrochloric Acid	7647-01-0	15.00000	0.02894
		Petroleum Distillates, Hydrotreated	64742-47-8	25.00000	0.01863
		Tetrakis	55566-30-8	55.00000	0.00942
		Glycerin	56-81-5	50.00000	0.00337

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			Ammonium Chloride	12125-02-9	2.00000	0.00149	
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00112	
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00112	
			Diethylenetriamine penta	15827-60-8	10.00000	0.00067	
			Acetic Acid	64-19-7	37.50000	0.00039	
			Methanol	67-56-1	80.00000	0.00024	
			Citric Acid	77-92-9	22.50000	0.00023	
			Acrylic acid terpolymer	397256-50-7	1.00000	0.00017	
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00003	
			Fatty acids	61790-12-3	5.02700	0.00001	
			Modified thiourea polymer	68527-49-1	4.74600	0.00001	
			Potassium acetate	127-08-2	0.02200	0.00000	
			Formaldehyde	50-00-0	0.00400	0.00000	

\* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

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

\*\*\* If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

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)

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ATTACHMENT 1

PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	12/22/2020	18,947	18,857	36
2	1/2/2021	18,823	18,644	36
3	1/2/2021	18,610	18,431	36
4	1/3/2021	18,398	18,219	36
5	1/4/2021	18,185	18,006	36
6	1/4/2021	17,973	17,794	36
7	1/5/2021	17,760	17,581	36
8	1/5/2021	17,548	17,369	36
9	1/5/2021	17,335	17,156	36
10	1/6/2021	17,125	16,944	36
11	1/6/2021	16,910	16,731	36
12	1/7/2021	16,698	16,521	36
13	1/7/2021	16,485	16,306	36
14	1/8/2021	16,273	16,094	36
15	1/8/2021	16,060	15,881	36
16	1/9/2021	15,848	15,669	36
17	1/9/2021	15,635	15,456	36
18	1/10/2021	15,423	15,243	36
19	1/10/2021	15,206	15,031	36
20	1/10/2021	14,998	14,818	36
21	1/11/2021	14,785	14,606	36
22	1/11/2021	14,568	14,393	36
23	1/11/2021	14,360	14,181	36
24	1/11/2021	14,147	13,968	36
25	1/12/2021	13,935	13,761	36
26	1/12/2021	13,722	13,543	36
27	1/12/2021	13,510	13,331	36
28	1/13/2021	13,297	13,118	36
29	1/13/2021	13,085	12,906	36
30	1/13/2021	12,872	12,690	36
31	1/14/2021	12,660	12,481	36
32	1/14/2021	12,447	12,268	36
33	1/15/2021	12,235	12,056	36
34	1/15/2021	12,022	11,843	36
35	1/15/2021	11,810	11,631	36
36	1/16/2021	11,597	11,418	36
37	1/16/2021	11,385	11,206	36
38	1/17/2021	11,172	10,993	36
39	1/17/2021	10,965	10,780	36
40	1/17/2021	10,747	10,568	36
41	1/18/2021	10,535	10,355	36
42	1/18/2021	10,322	10,143	36
43	1/18/2021	10,109	9,933	36
44	1/19/2021	9,897	9,716	36
45	1/19/2021	9,684	9,505	36
46	1/20/2021	9,472	9,293	36
47	1/20/2021	9,259	9,080	36
48	1/20/2021	9,047	8,868	36
49	1/20/2021	8,834	8,655	36
50	1/21/2021	8,622	8,443	36
51	1/21/2021	8,409	8,230	36
52	1/21/2021	8,197	8,018	36
53	1/22/2021	7,984	7,805	36
54	1/22/2021	7,772	7,593	36
55	1/22/2021	7,559	7,380	36
56	1/23/2021	7,347	7,168	36
57	1/23/2021	7,134	6,955	36
58	1/23/2021	6,922	6,742	36
59	1/24/2021	6,709	6,530	36
60	1/24/2021	6,497	6,317	36

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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
1	1/1/2021	77.88	8,067	8,425	3,245	251,380	7,021	0
2	1/2/2021	93.3	8,250	5,641	4,259	355,220	8,890	0
3	1/3/2021	97.6	8,133	5,523	4,439	356,940	8,695	0
4	1/3/2021	99.5	7,993	5,167	4,329	355,860	8,390	0
5	1/4/2021	88.7	8,309	5,896	4,243	353,780	8,353	0
6	1/4/2021	99.67	8,029	6,452	4,672	358,200	8,473	0
7	1/5/2021	99.1	7,912	6,034	4,256	356,800	8,208	0
8	1/5/2021	97.1	7,914	6,067	5,081	360,020	8,249	0
9	1/6/2021	95	8,146	6,209	4,468	359,200	8,318	0
10	1/6/2021	93.4	7,931	5,901	4,577	353,800	7,886	0
11	1/7/2021	91.5	8,064	5,722	4,693	355,540	8,109	0
12	1/7/2021	84.8	8,072	6,078	4,848	354,860	8,169	0
13	1/8/2021	90.8	8,181	5,777	4,367	360,700	7,985	0
14	1/8/2021	90.4	7,873	5,556	4,771	359,940	8,071	0
15	1/9/2021	88.2	8,123	5,909	4,736	354,140	7,847	0
16	1/9/2021	89.7	7,958	5,890	4,128	349,600	7,833	0
17	1/9/2021	94.4	8,033	5,896	4,911	359,400	8,100	0
18	1/10/2021	94.3	7,999	5,820	4,348	357,480	7,793	0
19	1/10/2021	90.2	7,962	5,822	4,170	353,760	7,892	0
20	1/10/2021	92.8	8,093	5,795	4,483	354,440	8,036	0
21	1/11/2021	89	8,045	5,688	4,256	350,040	7,719	0
22	1/11/2021	90.4	7,964	5,650	4,216	351,120	7,784	0
23	1/11/2021	88.7	8,111	4,987	4,486	352,240	7,676	0
24	1/12/2021	91.9	7,953	4,608	4,100	357,500	7,625	0
25	1/12/2021	91.7	7,869	6,155	4,240	353,920	7,864	0
26	1/12/2021	93.3	7,979	5,788	4,675	360,720	7,982	0
27	1/13/2021	95.1	7,799	5,872	4,343	363,220	8,062	0
28	1/13/2021	94.5	7,861	5,678	4,005	362,600	7,900	0
29	1/13/2021	92	8,069	6,166	4,289	361,040	7,767	0
30	1/14/2021	95.9	7,773	6,192	3,821	356,460	7,858	0
31	1/14/2021	96.3	7,836	6,689	3,954	357,920	7,783	0
32	1/14/2021	95	7,679	4,988	4,375	350,420	7,648	0
33	1/15/2021	96.8	7,704	6,420	4,673	364,800	7,784	0
34	1/15/2021	95.5	7,742	6,141	4,382	357,440	7,777	0
35	1/15/2021	96.3	7,645	4,718	5,038	362,280	8,054	0
36	1/16/2021	96.9	7,473	6,516	4,509	362,660	7,757	0
37	1/17/2021	96.2	7,724	5,795	4,374	356,440	7,525	0
38	1/17/2021	96.5	7,752	6,211	4,125	359,440	7,774	0
39	1/17/2021	97.2	7,565	6,005	4,554	355,300	7,576	0
40	1/18/2021	98.5	7,490	4,715	4,624	354,460	7,841	0
41	1/18/2021	94.6	8,196	6,484	4,342	360,760	7,746	0
42	1/18/2021	97.1	7,595	5,789	4,428	359,560	8,011	0
43	1/19/2021	97.4	7,550	6,473	4,252	356,020	7,899	0
44	1/19/2021	98.3	7,352	6,097	4,370	355,920	7,588	0
45	1/19/2021	98.1	7,365	4,552	4,278	355,780	7,935	0
46	1/20/2021	99.8	7,387	6,455	4,709	357,380	7,429	0
47	1/20/2021	97.1	7,571	6,447	4,600	354,000	7,486	0
48	1/20/2021	100	7,149	6,325	4,186	348,120	7,443	0
49	1/21/2021	100	7,152	6,365	4,456	352,780	7,473	0
50	1/21/2021	100	7,197	5,967	4,627	355,060	7,554	0
51	1/21/2021	100	7,217	6,741	4,259	348,500	7,415	0
52	1/22/2021	100	7,043	6,327	4,294	352,120	7,457	0
53	1/22/2021	98.2	7,418	6,582	4,134	354,020	7,629	0
54	1/22/2021	100	6,910	6,195	4,093	354,080	7,440	0
55	1/23/2021	100	7,043	5,825	4,132	350,920	7,434	0
56	1/23/2021	100	6,958	6,058	4,373	348,840	7,493	0
57	1/23/2021	101	6,952	5,596	4,211	354,780	7,544	0
58	1/23/2021	99.11	7,111	5,632	4,226	354,720	7,479	0
59	1/24/2021	98	7,169	5,320	4,551	349,210	7,474	0
60	1/24/2021	100	6,943	5,951	4,551	370,440	7,813	0

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Well Name: State of WV DNR A 205H 47009002980000

LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	542.00	542.00	
Top of Salt Water	692.00	692.00	NA	NA	
Pittsburgh Coal	99.00	99.00	342.00	342.00	
Pottsville (ss)	342.00	342.00	692.00	692.00	
Raven Cliff (ss)	692.00	692.00	875.00	875.00	
Maxton (ss)	941.00	941.00	1242.00	1242.00	
Big Injun (ss)	1242.00	1242.00	1756.00	1756.00	
Berea (siltstone)	1756.00	1756.00	1786.00	1786.00	
Rhinstreet (shale)	5495.00	5158.00	5781.00	5402.00	
Cashaqua (shale)	5781.00	5402.00	5849.00	5455.00	
Middlesex (shale)	5849.00	5455.00	5923.00	5510.00	
Burket (shale)	5923.00	5510.00	5946.00	5527.00	
Tully (ls)	5946.00	5527.00	6035.00	5587.00	
Mahantango (shale)	6035.00	5587.00	6200.00	5666.00	
Marcellus (shale)	6200.00	5666.00	NA	NA	GAS

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(2,000' SCALE) LATITUDE: 40°20'00" SURFACE HOLE 9790'  
 (2,000' SCALE) LATITUDE: 40°22'30" BOTTOM HOLE 2025'

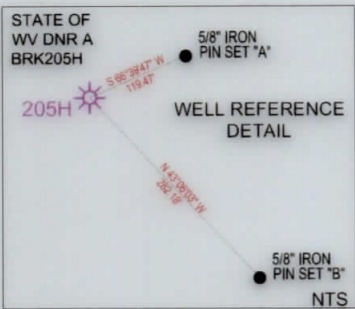
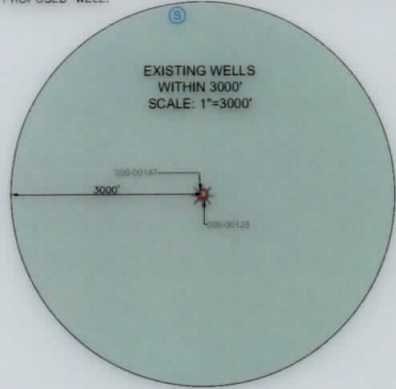
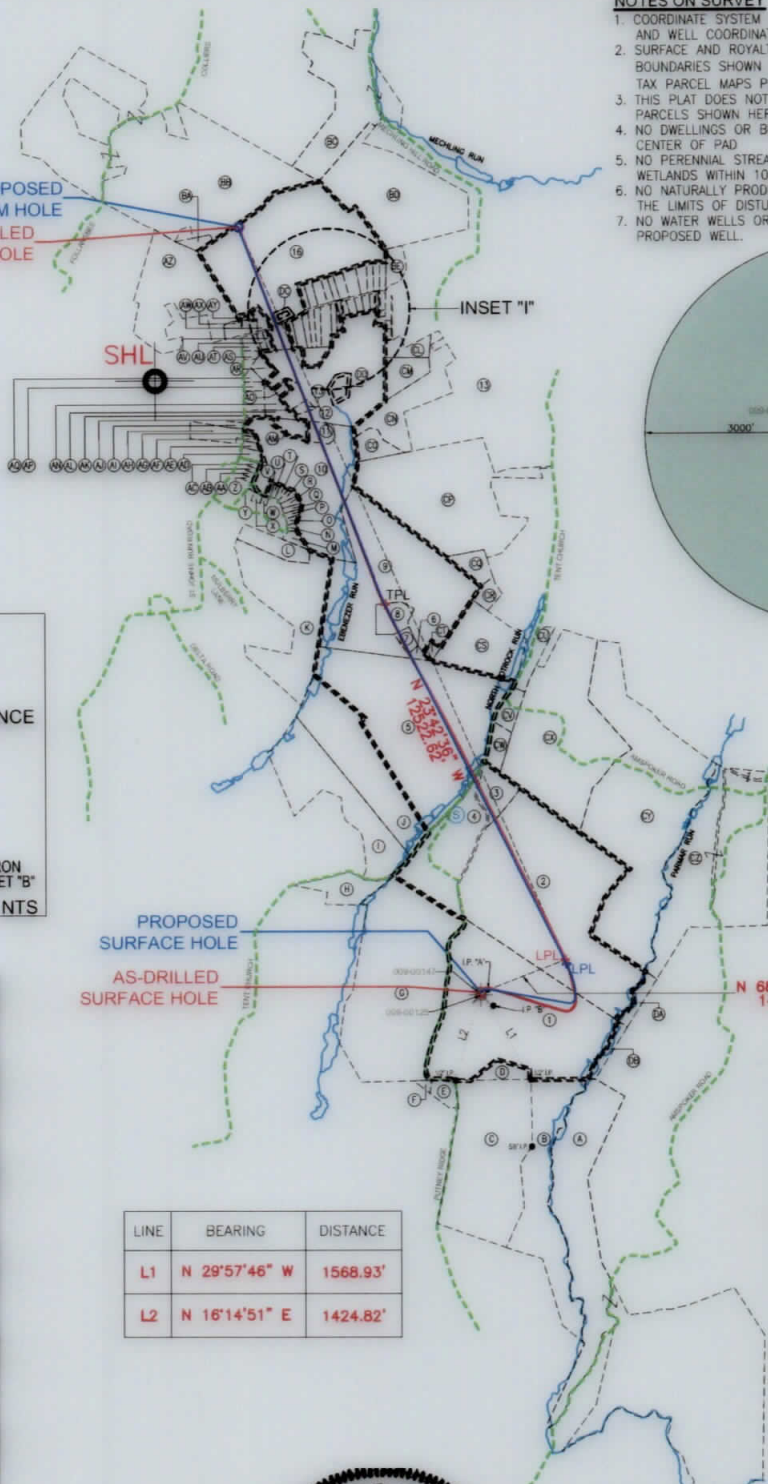


www.jhacompanies.com  
 68011 Vineyard Road  
 St. Clairsville, Ohio 43950  
 740-695-6100

**NOTES ON SURVEY**

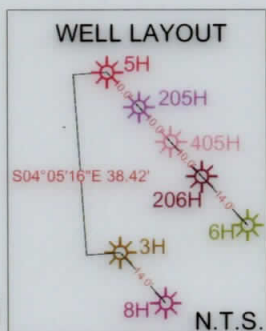
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

GRID NORTH  
 UTM, NAD83 DATUM, ZONE 17, US FT



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4463506.30 EASTING: 539496.43
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4463668.11 EASTING: 539896.01
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4467135.22 EASTING: 538303.44
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4463506.30 EASTING: 539496.43
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4463649.41 EASTING: 539903.55
<b>TURNING POINT LOCATION (TPL)</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4465347.54 EASTING: 539019.69
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4467134.84 EASTING: 538302.64

LINE	BEARING	DISTANCE
L1	N 29°57'46" W	1568.93'
L2	N 16°14'51" E	1424.82'



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. 2041

**SWN** Production Company, LLC **SWN** Production Company™

(+) 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 SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

STATE OF WV DNR A
OPERATOR'S WELL #: BRK 205H
API WELL #: 47 009 298
STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION  DEEP GAS  LIQUID INJECTION STORAGE SHALLOW   
 WATERSHED: UPPER OHIO NORTH ELEVATION: 1,139.8'  
 DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STEUBENVILLE EAST, OH  
 SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR ACREAGE: ±97.50  
 OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DNR ACREAGE: ±97.50  
 DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION  
 CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE  (SPECIFY) AS-DRILLED 08/27/2021  
 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,700' TVD 19,032' TMD

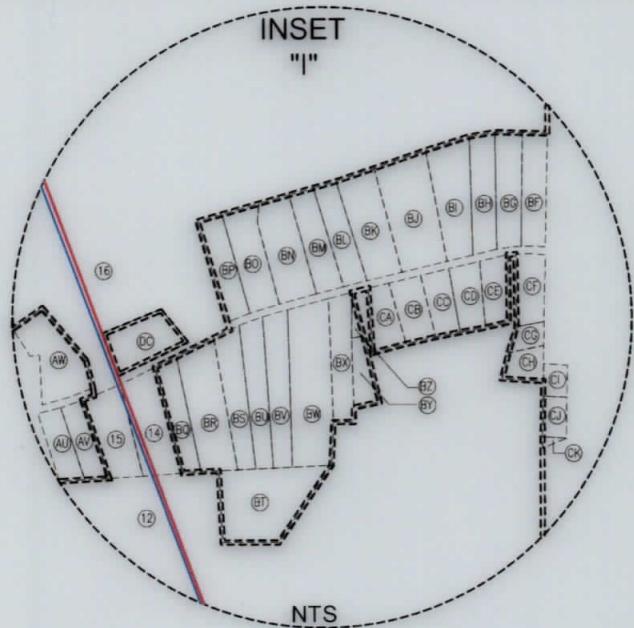
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY  
 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201  
 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

**LEGEND:**

EXISTING BOTTOM HOLE	ACCESS ROAD
EXISTING / PRODUCING WELLHEAD	PUBLIC ROAD
EXISTING LANDING POINT LOCATION	FLOOD PLAN
PROPOSED SURFACE HOLE / BOTTOM HOLE	LEASE BOUNDARY
PROPOSED LANDING POINT LOCATION	ASDRILLED PATH
	PROPOSED PATH

<b>REVISIONS:</b>	DATE: 04-07-2021
	APN# 047-009-00298
	DRAWN BY: R. GRIMES
	SCALE: 1" = 3000'
	DRAWING NO: 2018-245
	WELL LOCATION PLAT





WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION (S/R)	04-CC16-0007.0001
TRACT	SURFACE OWNER	TAX PARCEL
2	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION FOR THE USE AND BENEFIT OF THE WILDLIFE RESOURCES SECTION	04-CC16-0008.0001
3	TERRY A. DAMI & ET AL (L/E: JOSEPH T. & LOIS C. DAMI)	04-CC16-0009.0000
4	THE PALFALVY IRREVOCABLE TRUST (DENNIS PALFALVY, III)	04-CC16-0005.0000
5	RONALD ALLEN REED	04-CC16-0004.0000
6	RALPH A. BRADY, II & JOYCE ANN JOHNSTON (SURVIVOR)	04-CC16-0002.0000
7	RICHARD B. GASVODA	04-CC16-0001.0001
8	RICHARD B. GASVODA	04-CC16-0001.0004
9	PAUL MAROSI	04-CC16-0001.0000
10	DAVID L. & CHERYL D. IVILL	04-C115-0058.0000
11	RONALD C. BOTTORF, II	04-C115-0092.0000
12	PETREL IRREVOCABLE TRUST (NANCY PETREL, TRUSTEE)	04-C11M-0034.0000
13	PETER M. & LYNN A. MARTIN	04-C115-0093.0000
14	JAMES W. RAHR	04-C11M-0026.0000
15	BARBARA MCVICKER & MARIA FRANCIS	04-C11M-0027.0000
16	MARK C., JR. & MARY E. SECRIST (SURVIVOR)	04-C11M-0005.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AP	DAVID P. MELLISH	04-C11M-0035.0000
AQ	DAVID LANCASTER	04-C11M-0032.0000
AR	LAWRENCE V. & LISA L. PERRONE (SURVIVOR)	04-C11M-0033.0000
AS	PAUL MAROSI	04-C11M-0029.0000
AT	PAUL MAROSI	04-C11M-0028.0000
AU	BARBARA MCVICKER & MARIA FRANCIS	04-C11M-0027.0000
AV	JEFFREY W. & MARIA L. FRANCIS	04-C11M-0027.0001
AW	GERALD GOURLEY	04-C11M-0004.0000
AX	ST. JOHN'S EPISCOPAL CHURCH	04-C11M-0003.0000
AY	MARK C. JR. & MARY E. SECRIST	04-C11M-0005.0000
AZ	MARK JR. & MARY SECRIST (SURVIVOR)	04-C11M-0001.0000
BA	LINDA BURDISS	04-CC11-0085.0000
BB	WYLIE MCBRIDE, JR. & SUSAN BETH MCBRIDE GRIFFITH	04-CC11-0083.0000
BC	THOMAS J. PATE & JOHN SZYMANEK	04-CC11-0078.0000
BD	PETREL IRREVOCABLE TRUST, DATED 7/25/2013	04-CC12-0005.0000
BE	BRAD A. & MELISSA JO EVANS (SURVIVOR) (L/E: JUDY KEISTER)	04-C12J-0004.0000
BF	DANIEL PHILLIP KEISTER & DAVID LEE KEISTER	04-C12J-0003.0000
BG	ROBERT L. KERNS, JR. (L/E: PEGGY A. STILLWELL)	04-C12J-0002.0000
BH	KENNETH J., JR. & AMY M. MCLAUGHLIN (SURVIVOR)	04-C12J-0001.0000
BI	GLENN, JR. & VALERIE C. CAIN (SURVIVOR)	04-C11M-0012.0000
BJ	LARRY J. & TINA C. DINIACO GASTON (SURVIVOR)	04-C11M-0011.0000
BK	MICHAEL & EMILIA REALE	04-C11M-0005.0002
BL	MICHAEL N. & EMILIE REALE (TRUSTEES)	04-C11M-0010.0000
BM	LUKE A. MESTER	04-C11M-0009.0000
BN	LUKE A. MESTER	04-C11M-0008.0000
BO	STEPHEN R. & TAMERA K. GRIMM	04-C11M-0007.0000
BP	STEPHEN R. & TAMERA K. GRIMM	04-C11M-0006.0000
BQ	RUSSELL E. RECH, III	04-C11M-0025.0000
BR	MARY L. LEMASTERS	04-C11M-0024.0000
BS	ROBERT S. LATIMER	04-C11M-0023.0000
BT	OPEN DOOR BAPTIST CHURCH	04-C11M-0034.0002
BU	EDWARD & KATHY CRUNY (FNA: KATHY CANTOR) (SURVIVOR)	04-C11M-0022.0000
BV	EUGENE R. & PATRICIA L. VISCO	04-C11M-0021.0000
BW	OPEN DOOR BAPTIST CHURCH	04-C11M-0020.0000
BX	DONOVAN L. FLUHARTY	04-C11M-0019.0000
BY	DONOVAN FLUHARTY	04-C11M-0018.0000
BZ	DONOVAN LAWRENCE FLUHARTY	04-C11M-0017.0000
CA	COLLIERS METHODIST CHURCH	04-C11M-0016.0000
CB	STEVEN M. & TAMMY L. KOZORA (SURVIVOR)	04-C11M-0015.0000
CC	TIMOTHY & DIANE J. SWANGO	04-C11M-0014.0000
CD	ROBERT RICHARD LONG	04-C11M-0013.0000
CE	GREGORY FRESHWATER & GARY FRESHWATER	04-C12J-0058.0000
CF	JAMES M. KERNS	04-C12J-0057.0000
CG	NICHOLAS & DEBORAH L. CEBULA; DANIEL L. & JUDITH A. SMITH	04-C12J-0056.0000
CH	JOHN & CARRIE SNATCHKO (SURVIVOR)	04-C12J-0055.0000
CI	STANLEY & SANDRA M. PETROSKY (SURVIVOR)	04-C12J-0052.0000
CJ	STANLEY & SANDRA M. PETROSKY (SURVIVOR)	04-C12J-0053.0000
CK	STANLEY & SANDRA M. PETROSKY (SURVIVOR)	04-C12J-0054.0000
CL	JAMIE LYNN DEULEY & SHERYL KOSEVIC	04-C12J-0041.0000
CM	SHAWN A. DENNIS	04-C12J-0042.0000
CN	SHAWN A. DENNIS	04-C12J-0033.0000
CO	TAWNIA R. DENNIS	04-CC12-0062.0000
CP	MATTHEW C. & HOLLY W. LEWIS (SURVIVOR)	04-CC12-0054.0001
CQ	NEIL E., JR. & MICHELLE L. VANCAMP (SURVIVOR)	04-CC16-0028.0000
CR	WILLIAM RICHARD WILLS	04-CC16-0033.0000
CS	LAWRENCE & JILL MAZZELLA	04-CC16-0025.0000
CT	RALPH A. BRADY, II & JOYCE ANN JOHNSTON (SURVIVOR)	04-CC16-0003.0000
CU	DENNIS MOLNAR, SR. & DENNIS MOLNAR, JR.	04-CC16-0013.0000
CV	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0012.0000
CW	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0010.0000
CX	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0011.0000
CY	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0023.0001
CZ	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0023.0000
DA	SUSAN K. PRONCHIK	04-CC16-0016.0000
DB	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0016.0000
DC	ROBERT W. CONN	04-C11M-0029.0000
DD	JAMES E. & NANCY RHODES (SURVIVOR)	04-C11M-0034.0001

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC20-0025.0000
B	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC20-0025.0001
C	COLLIERS SPORTSMAN CLUB	04-CC20-0024.0000
D	COLLIERS SPORTSMAN CLUB	04-CC20-0045.0000
E	FREDA M. DUNN & SANDRA ROBERT (L/E: FREDA DUNN)	04-CC20-0001.0000
F	DAVID C. DAMI	04-CC20-0001.0001
G	STATE OF WEST VIRGINIA, DIVISION OF NATURAL RESOURCES	04-CC16-0006.0000
H	LENORA J. RINEHART	04-CC15-0074.0000
I	LARRY E. REED	04-CC15-0068.0001
J	REED GEHLING FAMILY TRUST, DATED 10/17/2008	04-CC16-0032.0000
K	LAURA J. & STUART STEUDEBAKER	04-C15D-0030.0000
L	JESSE J. BURDINE	04-C15D-0019.0000
M	ROBERTA L. ROGOWSKI REVOCABLE TRUST	04-C15D-0014.0000
N	WALTER & MARJORIE JESKIEWICZ	04-C15D-0015.0000
O	WALTER & MARJORIE JESKIEWICZ	04-C15D-0016.0000
P	ROBERT W. HARBIN	04-C115-0051.0000
Q	PATRICIA I. GOLDSMITH	04-C115-0052.0000
R	NICOLE E. LONG	04-C115-0053.0000
S	JASON M. & JENNIFER D. KAZMIRSKI (SURVIVOR)	04-C115-0054.0000
T	WRIGHT FAMILY REVOCABLE TRUST, DATED 12/10/2013	04-C115-0055.0000
U	JAMES A. CLARK	04-C115-0056.0000
V	ROBERT A. WYATT	04-C115-0057.0000
W	JEFFREY S. DULANEY	04-C115-0046.0000
X	HELEN T. CARBASHO	04-C115-0045.0000
Y	ROBERTA L. ROGOWSKI REVOCABLE TRUST	04-C115-0044.0000
Z	WILLIAM C. & BARBARA J. WILHARM	04-C115-0062.0000
AA	NEIL C. & LINDA S. STEWART (SURVIVOR)	04-C115-0061.0000
AB	NEIL C. & LINDA S. STEWART	04-C115-0060.0000
AC	CHARLES E. & DEBORA HENDERSHOT	04-C115-0059.0000
AD	SHARON K. MICHAELSON	04-C115-0080.0000
AE	SHARON K. MICHAELSON	04-C115-0081.0000
AF	ANNA BELLE BRYANT	04-C115-0082.0000
AG	UNITED PRESBYTERIAN CHURCH	04-C115-0083.0000
AH	PROPERTY SERVICES, LLC	04-C115-0010.0000
AI	WILLIAM A. & VICKY L. HERCULES	04-C115-0009.0000
AJ	MARY ANN MARTIN	04-C115-0084.0000
AK	DENNIS CALVIN GOOCH	04-C115-0085.0000
AL	ANGELA C. CALVERESE	04-C115-0090.0000
AM	RONALD C. BOTTORF II	04-C115-0091.0000
AN	DAVID P. MELLISH	04-C115-0089.0000
AO	DWAYNE WADLEY & CATHEEN L. DONNE (JTWS)	04-C115-0096.0000

08/27/2021

REVISIONS:	COMPANY:		
	OPERATOR'S	STATE OF WV DNR A	
	WELL #:	BRK 205H	
	DISTRICT:	COUNTY:	STATE:
	CROSS CREEK	BROOKE	WV
			DATE: 04-07-2021
			APN# 047-009-00298
			DRAWN BY: R. GRIMES
			SCALE: N/A
			DRAWING NO: 2018-245
			WELL LOCATION PLAT