

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

RECEIVED
Office of Oil and Gas

JUN 03 2021

WV Department of
Environmental Protection

API 47-103-03354 County WETZEL District PROCTOR
Quad WILEYVILLE, WV Pad Name CONSTANCE TAYLOR-WTZ-PAD1 Field/Pool Name VICTORY FIELD WET
Farm name CONSTANCE A. TAYLOR Well Number CONSTANCE TAYLOR WTZ 201H
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 4,389,466.91 Easting 527,523.79
Landing Point of Curve Northing 4,389,242.80 Easting 526,989.76
Bottom Hole Northing 4,391,960.29 Easting 523,933.23

Elevation (ft) 1430' 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 7/20/2020 Date drilling commenced 11/14/2020 Date drilling ceased 12/4/2020
Date completion activities began 1/27/2021 Date completion activities ceased 3/27/2021
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 365' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 1,467' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1,385' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:
Bryan Ham
08/13/2021

JUN 03 2021

WR-35
Rev. 8/23/13

WV Department of
Environmental Protection

API 47-103 - 03354 Farm name CONSTANCE A. TAYLOR Well number CONSTANCE TAYLOR WTZ 201H

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	470	NEW	J-55/54.50#	175.6' / 133.9'	Y; 45 BBLS
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	2,900	NEW	J-55/36#		Y; 26 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	21,513	NEW	HCP-110/20#		Y; 186 BBLS
Tubing							N
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	523	15.60	1.19	622.37	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	927	15.60	1.18	1,093.86	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4,052	15.60	1.18	4,781.36	SURFACE	24
Tubing							

Drillers TD (ft) 21,513 Loggers TD (ft) 21,513
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 6,900'

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

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

08/13/2021

API 47- 103 - 03354 Farm name CONSTANCE A. TAYLOR Well number CONSTANCE TAYLOR WTZ 201H

PRODUCING FORMATION(S)	DEPTHS	
MARCELLUS	7,395'	TVD 7,855' MD

RECEIVED
Office of Oil and Gas
JUN 03 2021
WV Department of
Environmental Protection

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1,415 psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas 2,969 mcfpd Oil 67 bpd NGL _____ bpd Water 113 bpd GAS MEASURED BY Estimated Orifice Pilot

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

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 BJ SERVICES
Address 11211 FM 2920 City TOMBALL State TX Zip 77377

Stimulating Company HALLIBURTON ENERGY SERVICES
Address 14851 MILNER ROAD, GATE 5A City HOUSTON State TX Zip 77032

Please insert additional pages as applicable.

Completed by DENISE GRANTHAM Telephone 832-796-6139
Signature Denise Grantham Title REGULATORY ANALYST Date 6-2-2021

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

08/13/2021

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/28/2021
Job End Date:	3/15/2021
State:	West Virginia
County:	Wetzel
API Number:	47-103-03354-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	CONSTANCE TAYLOR WTZ 201H
Latitude:	39.65455000
Longitude:	-80.67916000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,413
Total Base Water Volume (gal):	23,431,583
Total Base Non Water Volume:	0

RECEIVED
 Office of Oil and Gas
 JUN 03 2021
 WV Department of
 Environmental Protection



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
Produced Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	90.05615	Density = 8.34
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.45061	

FE-2A	Halliburton	Additive					
				Listed Below			
MC MX 8-4743	MultiChem	Additive					
				Listed Below			
Excelerate LX-15	Halliburton	Friction Reducer					
				Listed Below			
HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
Sand-Premium White-40/70	Halliburton	Proppant					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
LEGEND(TM) LD-7750W	MultiChem	Scale Control					
				Listed Below			

RECEIVED
 Office of Oil and Gas
 JUN 03 2021
 MW Department of
 Environmental Protection

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	9.35492	
--	----------------------------	------------	-----------	---------	--

			Hydrochloric acid	7647-01-0	30.00000	0.04721	
			Complex Amine Compound	Proprietary	60.00000	0.03440	
			Sodium nitrate	7631-99-4	60.00000	0.02145	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01720	
			Methanol	67-56-1	100.00000	0.00507	
			Surfactant	Proprietary	5.00000	0.00287	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00287	
			Citric acid	77-92-9	60.00000	0.00252	
			Sodium molybdate	10102-40-6	5.00000	0.00179	
			Ethoxylated alcohols	Proprietary	5.00000	0.00059	
			Organic chloride compound	Proprietary	1.00000	0.00057	
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00057	
			Sodium chloride	7647-14-5	5.00000	0.00043	
			Phosphoric Acid Salt	Proprietary	5.00000	0.00040	
			Modified thiourea polymer	Proprietary	30.00000	0.00009	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00009	
			Yeast extract	8013-01-2	0.10000	0.00004	
			Sodium lactate	72-17-3	0.10000	0.00004	
			Monopotassium phosphate	7778-77-0	0.10000	0.00004	
			Sodium acetate	127-09-3	0.10000	0.00004	
			Hexadecene	629-73-2	5.00000	0.00001	
			Propargyl alcohol	107-19-7	5.00000	0.00001	
			Formaldehyde	50-00-0	0.10000	0.00001	
			Sodium hydroxide	1310-73-2	0.01000	0.00001	
			Sodium glycolate	2836-32-0	0.01000	0.00001	
			Nitrated acetate salt	Proprietary	0.01000	0.00001	

RECEIVED
Office of Oil and Gas
JUN 08 2021
WV Department of
Environmental Protection

RECEIVED
Office of Oil and Gas
JUN 08 2021
WV Department of
Environmental Protection

			Organic salt #2	Proprietary	0.01000	0.00001	
			Acrylamide	79-06-1	0.01000	0.00001	
			Organic salt #1	Proprietary	0.01000	0.00001	

* 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)

RECEIVED
Office of Oil and Gas

JUN 03 2021

WV Department of
Environmental Protection

JUN 03 2021

CONSTANCE TAYLOR WTZ 201H

ATTACHMENT 2

STIM REPORT

WV Department of
Environmental Protection

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	1/28/2021	91.5	9,517	9,608	3,790	202,480	6,675	0
2	2/8/2021	93.9	9,213	6,367	3,997	321,360	11,139	0
3	2/9/2021	92.1	9,241	4,872	4,014	328,480	9,566	0
4	2/10/2021	92	9,606	6,209	4,055	320,300	8,930	0
5	2/10/2021	91.6	8,607	6,249	4,334	319,920	9,322	0
6	2/11/2021	98	9,550	8,302	4,383	323,080	9,024	0
7	2/11/2021	97.2	9,519	6,191	4,530	325,900	9,853	0
8	2/12/2021	96.5	9,596	5,464	4,098	329,080	9,124	0
9	2/12/2021	98.2	9,151	5,729	4,054	308,360	8,768	0
10	2/13/2021	98.4	9,519	5,502	4,112	328,680	9,129	0
11	2/13/2021	95.6	9,076	5,326	4,049	311,280	9,199	0
12	2/13/2021	97.1	9,319	3,604	4,249	328,920	9,031	0
13	2/14/2021	99.6	9,187	5,700	3,831	311,850	8,779	0
14	2/15/2021	97	9,442	5,865	4,651	323,277	9,195	0
15	2/16/2021	97.8	9,724	5,599	4,466	322,540	9,046	0
16	2/17/2021	99.3	9,681	5,967	4,688	312,330	8,928	0
17	2/18/2021	99.3	9,516	4,977	4,010	311,360	8,860	0
18	2/19/2021	99.6	9,297	6,003	4,141	325,720	8,805	0
19	2/20/2021	92.9	8,929	6,032	4,339	305,720	8,832	0
20	2/20/2021	98.6	9,112	5,708	4,253	312,890	8,967	0
21	2/21/2021	97.9	9,039	5,984	4,081	310,190	8,819	0
22	2/21/2021	98.3	9,484	6,635	4,242	304,980	8,709	0
23	2/22/2021	95.9	9,213	6,261	4,354	308,810	8,611	0
24	2/23/2021	98.9	9,266	6,394	4,533	327,100	8,863	0
25	2/23/2021	98.7	9,295	6,380	4,407	307,338	8,480	0
26	2/24/2021	98.7	9,255	6,089	4,411	306,980	8,456	0
27	2/24/2021	95.2	8,895	6,306	4,568	309,832	8,621	0
28	2/24/2021	99.5	9,422	6,051	4,742	304,320	8,579	0
29	2/25/2021	99.6	9,120	6,386	4,718	309,672	8,809	0
30	2/25/2021	99.2	9,321	9,182	4,826	313,090	8,594	0
31	2/26/2021	99.1	9,109	9,127	4,583	319,740	8,689	0
32	2/26/2021	99.3	9,358	5,816	4,621	309,298	8,536	0
33	2/26/2021	99.8	9,106	5,444	4,805	326,940	8,766	0
34	2/27/2021	99.4	9,400	6,125	4,534	322,800	8,786	0
35	2/27/2021	99.1	9,497	6,075	4,386	310,910	8,470	0
36	2/28/2021	96.3	9,167	6,247	4,489	313,327	8,518	0
37	3/1/2021	99.5	8,960	8,933	4,355	310,320	8,399	0
38	3/1/2021	98.8	9,085	6,080	4,462	307,122	8,300	0
39	3/2/2021	99	8,892	6,266	4,405	312,690	8,444	0
40	3/2/2021	98.8	9,092	4,364	4,422	307,827	8,403	0
41	3/3/2021	99.9	9,148	6,042	4,652	309,750	8,320	0
42	3/3/2021	99.7	9,006	6,025	4,287	309,802	8,239	0
43	3/4/2021	98.7	8,818	5,188	4,691	310,660	8,456	0
44	3/4/2021	99.6	8,953	6,048	4,283	307,060	8,322	0
45	3/5/2021	99.7	8,599	5,927	4,522	311,637	8,242	0
46	3/5/2021	99.7	8,930	6,302	4,741	312,651	8,312	0
47	3/6/2021	99.3	8,591	4,216	4,520	311,830	8,493	0
48	3/6/2021	95.4	8,320	6,323	4,354	315,693	8,389	0
49	3/7/2021	99.8	9,033	5,108	4,549	308,610	8,325	0
50	3/7/2021	99.4	9,284	6,331	4,774	314,037	8,541	0
51	3/7/2021	99.5	8,907	6,157	4,847	313,700	8,276	0
52	3/8/2021	99.1	8,835	6,047	4,724	311,227	8,449	0
53	3/8/2021	99.9	8,925	4,531	5,076	311,840	8,277	0
54	3/9/2021	99.2	8,512	5,787	4,379	306,460	8,223	0
55	3/10/2021	99.8	8,366	6,064	4,465	310,130	8,191	0
56	3/10/2021	99.7	8,963	6,544	4,591	309,440	8,138	0

CONSTANCE TAYLOR WTZ 201H

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
57	3/11/2021	99.4	8,346	6,069	4,639	313,340	7,898	0
58	3/11/2021	97	8,407	5,789	4,657	310,390	10,342	0
59	3/12/2021	99.1	8,448	5,716	4,557	312,600	8,379	0
60	3/13/2021	91.3	8,224	6,292	5,180	291,760	7,583	0
61	3/13/2021	99.5	8,395	5,218	4,809	310,450	7,671	0
62	3/14/2021	99.8	8,192	6,237	4,321	313,560	8,118	0
63	3/15/2021	97.7	7,909	6,212	4,610	333,000	7,919	0
64	3/15/2021	97.3	7,887	6,258	4,380	312,770	8,179	0
65	3/15/2021	96.8	7,774	6,193	4,413	310,720	8,291	0

RECEIVED
Office of Oil and Gas

JUN 03 2021

WV Department of
Environmental Protection

CONSTANCE TAYLOR WTZ 201H
ATTACHMENT 1
PERF REPORT

JUN 03 2021

WV Department of
Environmental Protection

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	1/17/2021	21,421	21,334	36
2	2/8/2021	21,300	21,123	36
3	2/9/2021	21,090	20,913	36
4	2/9/2021	20,880	20,703	36
5	2/10/2021	20,670	20,493	36
6	2/10/2021	20,460	20,284	36
7	2/11/2021	20,251	20,074	36
8	2/11/2021	20,041	19,864	36
9	2/12/2021	19,831	19,654	36
10	2/12/2021	19,621	19,444	36
11	2/13/2021	19,411	19,234	36
12	2/13/2021	19,201	19,024	36
13	2/14/2021	18,991	18,814	36
14	2/14/2021	18,781	18,605	36
15	2/15/2021	18,572	18,395	36
16	2/17/2021	18,362	18,185	36
17	2/18/2021	18,152	17,975	36
18	2/19/2021	17,942	17,765	36
19	2/19/2021	17,732	17,555	36
20	2/20/2021	17,522	17,345	36
21	2/20/2021	17,312	17,135	36
22	2/21/2021	17,102	16,926	36
23	2/21/2021	16,893	16,716	36
24	2/22/2021	16,683	16,506	36
25	2/23/2021	16,473	16,296	36
26	2/23/2021	16,263	16,086	36
27	2/24/2021	16,053	15,876	36
28	2/24/2021	15,843	15,666	36
29	2/25/2021	15,633	15,456	36
30	2/25/2021	15,423	15,246	36
31	2/25/2021	15,213	15,037	36
32	2/26/2021	15,004	14,827	36
33	2/26/2021	14,794	14,617	36
34	2/27/2021	14,584	14,407	36
35	2/27/2021	14,374	14,197	36
36	2/27/2021	14,164	13,987	36
37	2/28/2021	13,954	13,777	36
38	3/1/2021	13,744	13,567	36
39	3/1/2021	13,534	13,358	36
40	3/2/2021	13,325	13,148	36
41	3/2/2021	13,115	12,938	36
42	3/3/2021	12,905	12,728	36
43	3/3/2021	12,695	12,518	36
44	3/4/2021	12,485	12,308	36
45	3/4/2021	12,275	12,098	36

**CONSTANCE TAYLOR WTZ 201H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
46	3/5/2021	12,065	11,888	36
47	3/5/2021	11,855	11,679	36
48	3/6/2021	11,646	11,469	36
49	3/6/2021	11,436	11,259	36
50	3/7/2021	11,226	11,049	36
51	3/7/2021	11,016	10,839	36
52	3/8/2021	10,806	10,629	36
53	3/8/2021	10,596	10,419	36
54	3/8/2021	10,386	10,209	36
55	3/9/2021	10,176	9,999	36
56	3/10/2021	9,966	9,790	36
57	3/10/2021	9,757	9,580	36
58	3/11/2021	9,547	9,370	36
59	3/12/2021	9,334	9,160	36
60	3/12/2021	9,122	8,950	36
61	3/13/2021	8,915	8,740	36
62	3/13/2021	8,707	8,530	36
63	3/14/2021	8,497	8,320	36
64	3/15/2021	8,287	8,116	36
65	3/15/2021	8,078	7,903	36

RECEIVED
Office of Oil and Gas

JUN 03 2021

WV Department of
Environmental Protection



Well Name: Constance Taylor WTZ 201H

47103033540000

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	365.00	365.00	
Top of Salt Water	1467.00	1467.00	NA	NA	
Pittsburgh Coal	1385.00	1385.00	1391.00	1391.00	
Pottsville (ss)	1467.00	1467.00	1531.00	1531.00	
Raven Cliff (ss)	1872.00	1872.00	2217.00	2217.00	
Big Injun (ss)	2602.00	2602.00	3188.00	3160.00	
Berea (siltstone)	3211.00	3159.00	3283.00	3229.00	
Rhinestreet (shale)	7196.00	6978.00	7301.00	7070.00	
Cashaqua (shale)	7301.00	7070.00	7491.00	7216.00	
Middlesex (shale)	7491.00	7216.00	7606.00	7291.00	
Burket (shale)	7606.00	7291.00	7625.00	7302.00	
Tully (ls)	7625.00	7302.00	7666.00	7325.00	
Mahantango (shale)	7666.00	7325.00	7855.00	7395.00	
Marcellus (shale)	7855.00	7395.00	NA	NA	GAS

RECEIVED
 Office of Oil and Gas
 JUN 03 2021
 WV Department of
 Environmental Protection

LATITUDE: 39°40'00" SURFACE HOLE (2000' SCALE)

3529'

LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE)

3543'

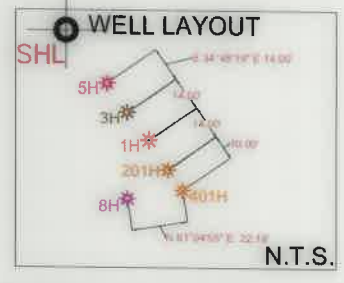
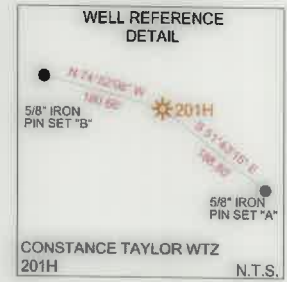


www.jhacompanies.com

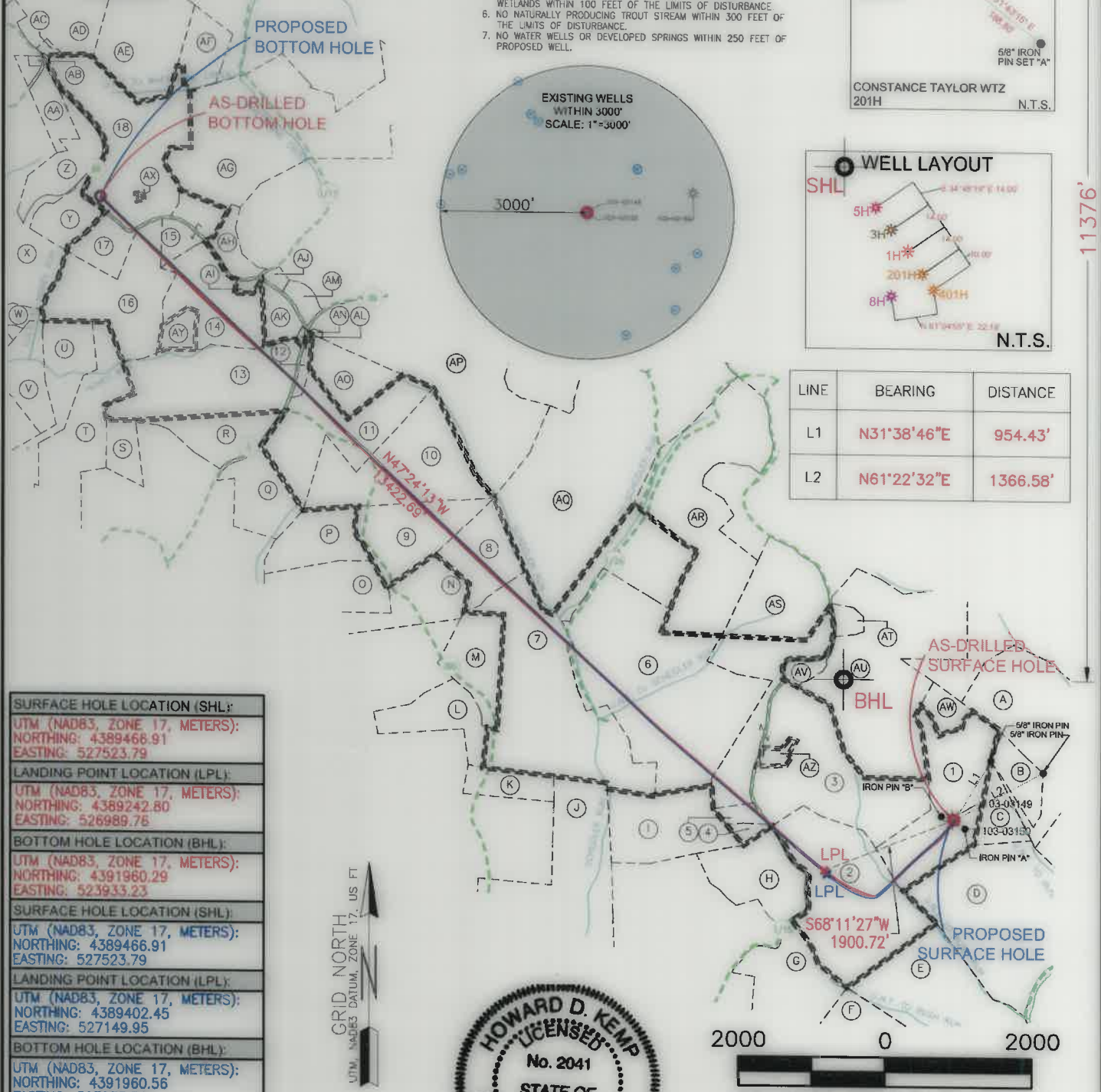
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

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.



LINE	BEARING	DISTANCE
L1	N31°38'46"E	954.43'
L2	N61°22'32"E	1366.58'



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4389466.91
EASTING: 527523.79
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4389242.80
EASTING: 526989.76
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4391960.29
EASTING: 523933.23
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4389466.91
EASTING: 527523.79
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4389402.45
EASTING: 527149.95
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4391960.56
EASTING: 523933.56

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



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

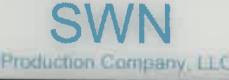

<p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>COMPANY: SWN Production Company, LLC</p> <p>OPERATOR'S WELL #: CONSTANCE TAYLOR WTZ 201H</p> <p>API WELL #: 47 103 3354 STATE COUNTY PERMIT</p>																					
	<p>WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/></p> <p>WATERSHED: UPPER OHIO SOUTH</p> <p>DISTRICT: PROCTOR COUNTY: WETZEL</p> <p>SURFACE OWNER: CONSTANCE A. TAYLOR</p> <p>OIL & GAS ROYALTY OWNER: CONSTANCE A. TAYLOR</p> <p>DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/></p> <p>CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 2100' TMD</p>	<p>DESIGNATED AGENT: BRITTANY WOODY</p> <p>ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201</p> <p>CITY: MORGANTOWN STATE: WV ZIP CODE: 26508</p>																					
<p>LEGEND:</p> <ul style="list-style-type: none"> ○ EXISTING BOTTOM HOLE ⊕ EXISTING / PRODUCING WELLHEAD LPL* EXISTING LANDING POINT LOCATION ○ PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION — ACCESS ROAD — PUBLIC ROAD — FLOOD PLAN — LEASE BOUNDARY — ASDRILLED PATH — PROPOSED PATH 		<p>REVISIONS:</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>04-08-2021</td> <td>DATE</td> </tr> <tr> <td>2</td> <td></td> <td>API NO: 47-103-03354</td> </tr> <tr> <td>3</td> <td></td> <td>DRAWN BY: R. GRIMES</td> </tr> <tr> <td>4</td> <td></td> <td>SCALE: 1" = 2000'</td> </tr> <tr> <td>5</td> <td></td> <td>DRAWING NO: 2020-557</td> </tr> <tr> <td>6</td> <td></td> <td>WELL LOCATION PLAT</td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	1	04-08-2021	DATE	2		API NO: 47-103-03354	3		DRAWN BY: R. GRIMES	4		SCALE: 1" = 2000'	5		DRAWING NO: 2020-557	6		WELL LOCATION PLAT
NO.	DATE	DESCRIPTION																					
1	04-08-2021	DATE																					
2		API NO: 47-103-03354																					
3		DRAWN BY: R. GRIMES																					
4		SCALE: 1" = 2000'																					
5		DRAWING NO: 2020-557																					
6		WELL LOCATION PLAT																					

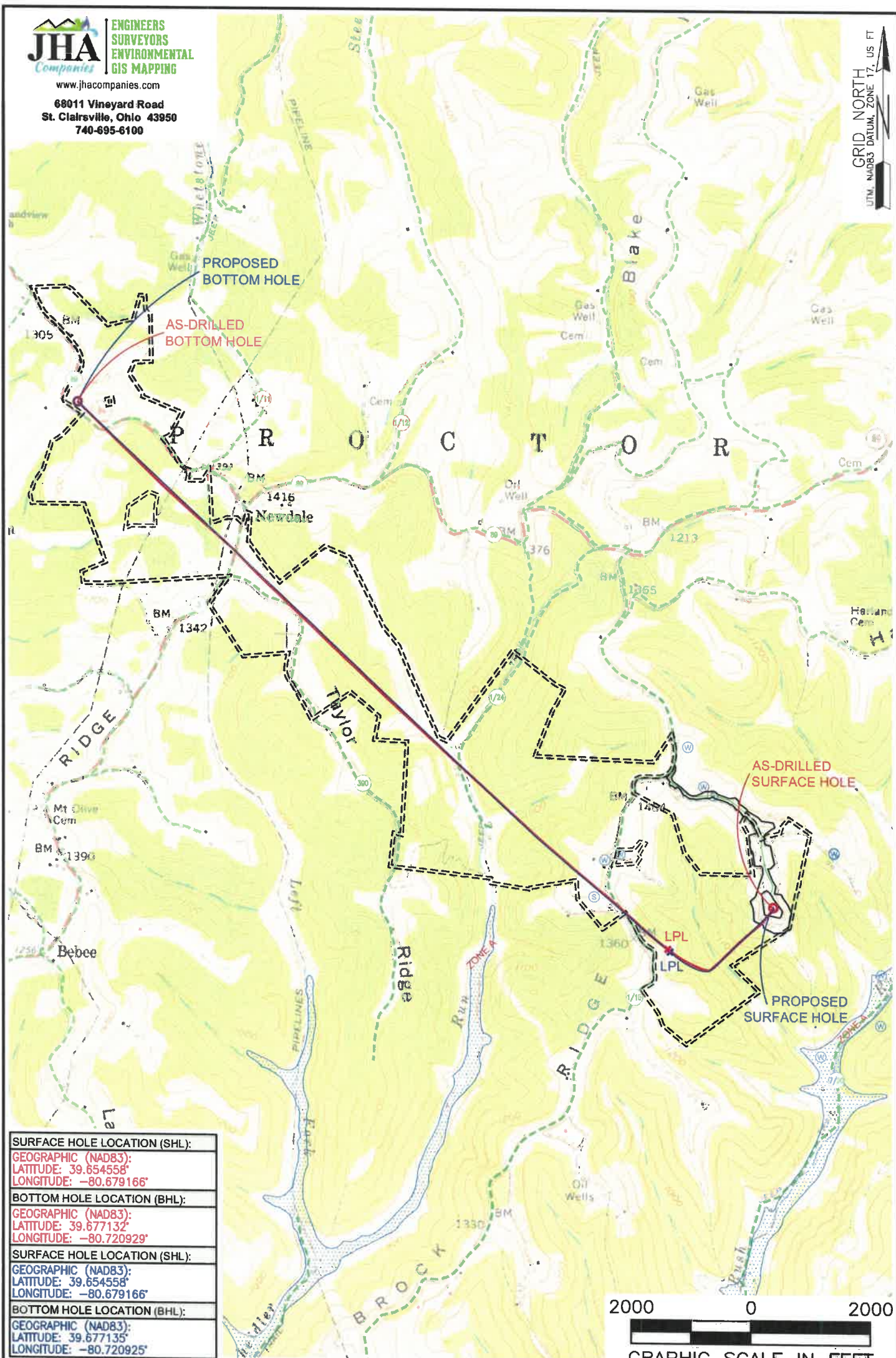
LONGITUDE: 80°40'00" SURFACE HOLE (2000' SCALE)
LONGITUDE: 80°42'30" BOTTOM HOLE (2000' SCALE)

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	CONSTANCE A. TAYLOR (S)/(R)	12-18-05.0
TRACT	SURFACE OWNER	TAX PARCEL
2	TYLER C. BLAKE	12-18-11.0
3	KIP MARTIN & SANDRA K. BLAKE	12-18-04.1
4	WANDA JARELL	12-18-02.0
5	DAVID F. & ROSANNE POSTLETHWAIT	12-18-03.0
6	KIP MARTIN & SANDRA K. BLAKE	12-14-31.0
7	BUSTER TERRY BLAKE	12-14-30.0
8	GARY E. SPEECE JR	12-14-20.0
9	HARRY E. MCABEE, DAVID MICHAEL & GARY SPEECE JR.	12-14-18.0
10	MARY C. & ROBERT JOHN OLSON	12-14-17.0
11	MARY C. & ROBERT JOHN OLSON	12-13-42.0
12	JAMES S. TAYLOR	12-13-28.0
13	MARY C. & ROBERT JOHN OLSON	12-13-27.0
14	DWAYNE FREDERICK GODDARD	12-13-16.0
15	JOSEPH HOHMAN	12-13-71.0
16	CAROL MARTIN	12-13-15.4
17	JEREMY S. GODDARD	12-13-15.3
18	CLYDE V. & LISA K. STILLION	12-13-09.0

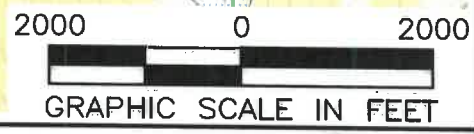
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ERICK D. & PHYLLIS BECKER	12-18-07.0
B	BENJAMIN SHANOWER	12-18-07.1
C	BENJAMIN SHANOWER	12-18-06.0
D	TIMOTHY N. WELLS	12-18-12.0
E	TIMOTHY N. WELLS	12-18-18.0
F	R.W. & VIOLA STRICKLINE	12-18-23.0
G	TYLER C. BLAKE	12-18-17.0
H	TYLER C. BLAKE	12-18-10.0
I	WANDA HUGGINS	12-18-01.0
J	COASTAL FOREST RESOURCES CO.	12-18-08.0
K	HARRY E. & MICHAEL MCABEE	12-17-26.0
L	BUSTER & BARBARA A. BLAKE	12-17-13.0
M	MICHAEL DAVID MCABEE	12-14-29.0
N	HARRY E. & MICHAEL MCABEE	12-14-19.0
O	KEVIN R. & JAMES L. MOLYNEAUX	12-13-67.0
P	KEVIN R. & JAMES L. MOLYNEAUX	12-13-49.0
Q	MARY C. & ROBERT JOHN OLSON	12-13-41.2
R	MARY C. & ROBERT JOHN OLSON	12-13-41.0
S	JAMES K. GODDARD	12-13-39.2
T	CONNIE S. BURROUGH	12-13-38.0
U	CONNIE S. BURROUGH	12-13-37.0
V	TODD E. GODDARD	12-13-26.0
W	TODD E. GODDARD	12-13-15.5
X	TODD E. GODDARD	12-13-15.7
Y	WAYNE EDWARD & MARY ANN GODDARD	12-13-15.0
Z	ROBERT A. & JACQUELINE GODDARD	12-13-15.1
AA	ROBERT A. & JACQUELINE GODDARD	12-8-53.0
AB	ROBERT A. & JACQUELINE GODDARD	12-8-54.0
AC	ROGER W. MASON & REGINA E. BRILL	12-8-32.4
AD	ROGER W. MASON & REGINA E. BRILL	12-8-32.1
AE	CLYDE V. & LISA K. STILLION	12-8-34.0
AF	ALBERT & MARY HOMAN	12-8-35.0
AG	ALBERT L., JOSEPH A., & DEBRA HOHMAN	12-8-55.0
AH	THOMAS J. & LISA A. SHEPHERD	12-13-16.2
AI	DWAYNE FREDERICK GODDARD	12-13-16.1
AJ	THOMAS J. & LISA A. SHEPHERD	12-13-19.0
AK	SWN PRODUCTION COMPANY, LLC	12-13-16.3
AL	UNKNOWN OWNER	12-13-29.0
AM	SWN PRODUCTION COMPANY, LLC	12-13-20.0
AN	ISABELLE C. PARIKH, TRUSTEE OF THE PARIKH FAMILY TRUST	12-13-30.0
AO	JAMES S. TAYLOR	12-13-31.0
AP	KOREY L. & VICKI S. KANN	12-14-10.0
AQ	BUSTER BLAKE	12-14-12.1
AR	JAMES H. FOGG	12-14-21.1
AS	DARLENE ELLEN WOOD	12-14-21.2
AT	BRENT PAUL BLAKE, ETAL; PAUL BLAKE JR. L/E	12-14-32.3
AU	BRENT PAUL BLAKE	12-14-32.2
AV	PAUL J. BLAKE	12-14-32.0
AW	CONSTANCE A. TAYLOR	12-14-33.0
AX	GRANDVIEW-DOOLIN PUBLIC SERVICE DISTRICT	12-13-09.1
AY	DWAYNE FRED GODDARD	12-13-16.4
AZ	KIP MARTIN & SANDRA K. BLAKE	12-18-04.0

REVISIONS:

COMPANY:		 08/13/2021 	
OPERATOR'S		CONSTANCE TAYLOR WTZ	
WELL #:		201H	
DISTRICT:	COUNTY:	STATE:	DATE: 04-08-2021
PROCTOR	WETZEL	WV	API NO: 47-103-03354
			DRAWN BY: R. GRIMES
			SCALE: N/A
			DRAWING NO: 2020-557
			WELL LOCATION PLAT



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.654558°
LONGITUDE: -80.679166°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.677132°
LONGITUDE: -80.720929°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.654558°
LONGITUDE: -80.679166°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.677135°
LONGITUDE: -80.720925°



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. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- EXISTING BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- EXISTING LANDING POINT LOCATION
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAIN
- LEASE BOUNDARY
- AS-DRILLED PATH
- PROPOSED PATH

08/13/2021

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: CONSTANCE TAYLOR WTZ	WELL # 201H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: WETZEL	CODE: 103	DISTRICT: PROCTOR
SURFACE OWNER: CONSTANCE A. TAYLOR	USGS 7 1/2 QUADRANGLE MAP NAME: WILEYVILLE, WV		
		API # 47-103-3354	