

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

API 47103036110000 County WETZEL District PROCTOR
Quad WILEYVILLE, W Pad Name CONSTANCE TAYLOR-WTZ-PAD1 Field/Pool Name VICTORY FIELD WET
Farm Name CONSTANCE A. TAYLOR Well Number CONSTANCE TAYLOR WTZ 210H
Operator (as registered with the OOG) SWN Production Company LLC
Address PO Box 12359 City Spring State TX
Zip 77391-2359

As Drilled Location NAD83/UTM Attach an as-drilled plat, profile view, and deviation survey

Landing Point of Curve
Top Hole Northing 4389453.49 Easting 527526.14
Northing 4389480.73 Easting 527702.20
Bottom Hole Northing 4386626.90 Easting 530772.92

Elevation (ft) 1430.1' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviate Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrill Re-Wor Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other
Type of Completion Single Multiple Fluids Produce 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
See attached Mud Summary Report

Date permit issued 2023-09-18 Date drilling commenced 2/18/2024 Date drilling ceased 03/02/24

Date Completion activities began 2024-03-16 Date Completion activities ceased 2024-04-22

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' Oprn mine(s) (Y/N) depths N
Salt water depth(s) ft 1443' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 1400' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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08/16/2024

API 47103036110000

Farm name CONSTANCE A. TAYLOR

Well number CONSTANCE TAYLOR WTZ 210H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Wt lb/ft	Grade	Basket Depth	Did cement circulate (Y/N) *Provide details below*
Conductor	24.000	20.000	136	NEW	94.00	J-55		Y
Surface	17.500	13.375	415	NEW	54.50	J-55	N/A	Y/ 28 BBLS
Coal	SEE SURFACE							
Intermediate 1	12.250	9.625	2884	NEW	36.00	J-55		Y/ 56 BBLS
Intermediate 2								
Intermediate 3								
Production	8.500	5.500	21989	NEW	20.00	P-110 HP		Y/ 10 BBLS
Tubing								
Packer type and depth set								

Comment Detail: _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ²)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	452	15.6	1.19	537.88	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	1066	15.6	1.18	1257.88	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4009	14.5	1.29	5171.61	SURFACE	24
Tubing							

Drillers TD (ft) 21996

Loggers TD (ft) 21996

Deepest formation penetrated MARCELLUS

Plug back to (ft) 21899

Plug back procedure N/A

Kick off depth (ft 6780' MD) _____

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

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING:

SURFACE: 6 CENTRALIZERS - EVERY THIRD JOINT OF CASING

INTERMEDIATE: 36 CENTRALIZERS - EVERY THIRD JOINT OF CASING

PRODUCTION: 438 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 AS OPEN HOLE Yes No Details _____

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

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Farm name CONSTANCE A. TAYLOR

Well number CONSTANCE TAYLOR WTZ 210H

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	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
SEE ATTACHMENT 2								

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Please insert additional pages as applicable.

DN
08/16/2024

**CONSTANCE TAYLOR WTZ 210H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	3/12/2024	22,717	22,621	36
2	3/17/2024	22,585	22,409	36
3	3/17/2024	22,376	22,201	36
4	3/18/2024	22,168	21,992	36
5	3/18/2024	21,959	21,783	36
6	3/19/2024	21,751	21,575	36
7	3/19/2024	21,542	21,366	36
8	3/20/2024	21,333	21,158	36
9	3/20/2024	21,125	20,949	36
10	3/21/2024	20,916	20,740	36
11	3/21/2024	20,708	20,532	36
12	3/22/2024	20,499	20,323	36
13	3/22/2024	20,290	20,115	36
14	3/22/2024	20,082	19,906	36
15	3/23/2024	19,873	19,697	36
16	3/23/2024	19,665	19,489	36
17	3/23/2024	19,456	19,280	36
18	3/24/2024	19,247	19,072	36
19	3/24/2024	19,039	18,863	36
20	3/24/2024	18,830	18,654	36
21	3/25/2024	18,622	18,446	36
22	3/25/2024	18,413	18,237	36
23	3/25/2024	18,205	18,029	36
24	3/26/2024	17,996	17,820	36
25	3/26/2024	17,787	17,612	36
26	3/27/2024	17,579	17,403	36
27	3/27/2024	17,370	17,194	36
28	3/28/2024	17,162	16,986	36
29	3/28/2024	16,953	16,777	36
30	3/28/2024	16,744	16,569	36
31	3/29/2024	16,536	16,360	36
32	3/29/2024	16,327	16,151	36
33	3/29/2024	16,119	15,943	36
34	3/30/2024	15,910	15,734	36
35	3/30/2024	15,701	15,526	36
36	3/30/2024	15,493	15,317	36
37	3/31/2024	15,284	15,108	36
38	4/1/2024	15,076	14,900	36
39	4/1/2024	14,867	14,691	36
40	4/1/2024	14,658	14,483	36
41	4/2/2024	14,450	14,274	36
42	4/2/2024	14,241	14,065	36

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**CONSTANCE TAYLOR WTZ 210H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
43	4/3/2024	14,033	13,857	36
44	4/3/2024	13,824	13,648	36
45	4/3/2024	13,615	13,440	36
46	4/4/2024	13,407	13,231	36
47	4/4/2024	13,198	13,022	36
48	4/4/2024	12,990	12,814	36
49	4/5/2024	12,781	12,605	36
50	4/5/2024	12,572	12,397	36
51	4/6/2024	12,364	12,188	36
52	4/6/2024	12,155	11,979	36
53	4/6/2024	11,947	11,771	36
54	4/7/2024	11,738	11,562	36
55	4/7/2024	11,530	11,354	36
56	4/7/2024	11,321	11,145	36
57	4/7/2024	11,112	10,936	36
58	4/8/2024	10,904	10,728	36
59	4/8/2024	10,695	10,519	36
60	4/9/2024	10,487	10,311	36
61	4/9/2024	10,278	10,102	36
62	4/9/2024	10,069	9,894	36
63	4/10/2024	9,861	9,685	36
64	4/10/2024	9,652	9,476	36
65	4/11/2024	9,444	9,268	36
66	4/11/2024	9,235	9,059	36
67	4/11/2024	9,026	8,851	36
68	4/12/2024	8,818	8,642	36
69	4/12/2024	8,609	8,433	36
70	4/12/2024	8,401	8,225	36

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CONSTANCE TAYLOR WTZ 210H

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	3/16/2024	81.5	8,288	6,558	4,256	181,360	5,871	0
2	3/17/2024	83.5	8,596	6,347	5,365	315,700	9,707	0
3	3/18/2024	81.4	8,488	5,792	5,004	316,220	9,433	0
4	3/18/2024	88	8,996	5,543	5,447	315,500	9,657	0
5	3/18/2024	90	9,025	5,183	4,883	312,740	8,724	0
6	3/19/2024	81.2	8,586	5,686	5,625	313,100	8,741	0
7	3/19/2024	75.8	8,344	6,408	4,862	310,080	9,812	0
8	3/20/2024	80	8,290	7,459	5,394	308,800	8,838	0
9	3/21/2024	98.6	9,371	3,386	6,153	314,820	8,434	0
10	3/21/2024	87.6	9,293	5,438	5,426	315,080	8,447	0
11	3/21/2024	92	8,979	3,141	5,311	313,220	8,206	0
12	3/22/2024	75.5	8,210	5,916	5,008	311,300	8,082	0
13	3/22/2024	88.9	9,219	6,186	5,298	310,120	7,952	0
14	3/22/2024	97	9,313	5,274	4,231	312,700	8,582	0
15	3/23/2024	95.8	8,899	5,027	5,291	310,280	8,097	0
16	3/23/2024	86.8	8,858	5,360	5,706	310,940	7,840	0
17	3/23/2024	95.2	9,268	5,616	4,459	313,500	7,497	0
18	3/24/2024	77	8,181	4,697	5,258	314,460	7,877	0
19	3/24/2024	94	9,011	4,652	4,965	314,000	7,726	0
20	3/25/2024	86	8,588	4,539	4,725	314,480	7,887	0
21	3/25/2024	81.2	8,710	5,788	5,292	314,580	7,755	0
22	3/25/2024	93	9,039	2,707	5,247	316,400	8,064	0
23	3/26/2024	83	8,032	5,447	5,530	315,300	8,336	0
24	3/26/2024	72	7,584	6,257	5,314	315,780	10,126	0
25	3/27/2024	76	7,980	5,792	4,572	316,360	7,907	0
26	3/27/2024	87.2	8,798	6,107	4,714	314,640	8,050	0
27	3/28/2024	94.3	8,105	6,530	4,898	311,180	8,661	0
28	3/28/2024	80.1	8,440	5,107	4,157	314,500	8,569	0
29	3/28/2024	92.9	8,737	5,230	4,598	315,520	8,306	0
30	3/29/2024	79.6	8,164	4,812	4,465	310,800	8,395	0
31	3/29/2024	87.4	8,575	4,817	4,489	312,300	8,429	0
32	3/29/2024	90.4	8,896	6,547	4,469	312,280	8,338	0
33	3/30/2024	94.3	8,748	5,300	4,650	312,640	8,393	0
34	3/30/2024	83.8	8,161	4,406	4,607	314,960	8,348	0
35	3/30/2024	91	8,904	4,874	4,432	311,780	8,355	0
36	3/31/2024	81.4	8,369	6,632	4,421	313,020	8,593	0
37	3/31/2024	88	8,471	5,890	4,469	312,580	8,498	0
38	4/1/2024	95	8,883	6,607	4,654	315,000	8,543	0
39	4/1/2024	90.2	8,204	5,958	4,598	311,180	8,242	0
40	4/2/2024	96.5	8,912	6,434	4,569	314,060	8,557	0
41	4/2/2024	91.5	8,567	4,570	4,588	316,800	8,463	0
42	4/2/2024	95.1	8,711	5,870	4,439	310,920	7,981	0
43	4/3/2024	88.1	7,820	5,028	4,955	314,560	7,992	0
44	4/3/2024	93.7	8,213	4,933	4,986	312,320	8,400	0
45	4/4/2024	97.2	8,160	4,490	4,898	312,280	8,574	0
46	4/4/2024	95.7	8,054	4,092	4,399	313,360	8,407	0
47	4/4/2024	97.3	8,498	5,282	4,469	316,260	8,417	0
48	4/5/2024	95.2	8,523	5,812	4,496	319,520	8,400	0
49	4/5/2024	95	7,937	4,609	4,374	314,320	8,351	0
50	4/5/2024	90.1	7,783	4,790	4,698	309,660	8,400	0
51	4/6/2024	90.9	8,439	5,712	4,335	311,080	8,280	0
52	4/6/2024	97.6	8,132	5,070	4,998	314,780	8,400	0
53	4/6/2024	97.6	8,244	5,184	4,798	315,520	8,400	0

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CONSTANCE TAYLOR Wtz 210H

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
54	4/7/2024	91.4	7,983	5,721	4,215	317,760	8,303	0
55	4/7/2024	93.4	7,891	5,866	4,201	313,300	8,197	0
56	4/7/2024	97.6	8,111	4,446	4,359	315,300	8,400	0
57	4/8/2024	85.4	7,278	4,630	4,368	317,340	8,207	0
58	4/8/2024	94.1	7,391	4,379	4,500	318,760	8,623	0
59	4/8/2024	95.4	7,982	4,269	4,500	316,660	8,400	0
60	4/9/2024	81.3	7,500	4,495	4,178	317,680	8,211	0
61	4/9/2024	88.8	7,529	4,952	4,169	316,320	8,400	0
62	4/10/2024	87.8	7,767	6,909	4,359	314,580	8,400	0
63	4/10/2024	92.7	7,651	5,906	4,621	315,080	8,633	0
64	4/10/2024	75.6	6,763	5,192	5,338	316,840	8,407	0
65	4/11/2024	96	7,653	5,025	5,294	317,820	8,224	0
66	4/11/2024	94	7,043	4,787	5,594	315,080	8,240	0
67	4/12/2024	76.8	7,067	6,433	4,834	314,220	8,107	0
68	4/12/2024	84.9	6,945	5,362	4,863	315,360	8,538	0
69	4/12/2024	78	6,592	5,164	4,956	314,540	7,907	0
70	4/13/2024	80.9	6,823	5,444	4,989	310,120	8,675	0

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API 47103036110000 Farm name CONSTANCE A. TAYLOR Well number CONSTANCE TAYLOR Wtz 210H

PRODUCING FORMATION(S)	DEPTHS		
<u>MARCELLUS</u>	<u>7420'</u> TVD	<u>7679'</u>	MD

Please insert additional pages applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 3092 psi Bottom Hole _____ psi DURATION OF TEST (hrs) _____

OPEN FLOW GAS 25,945 mcpd OIL 145 bpd NGL _____ bpd WATER 712 bpd GAS MEASURED BY Estimate 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 (FRESH WATER, BRINE, OIL, GAS, H2S, ETC)

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 (FRESH WATER, BRINE, OIL, GAS, H2S, ETC)
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 IE WOODLANI State TX Zip 77380

Cementing Company SCHLUMBERGER Address 110 SCHLUMBERGER DRIVE City SUGAR LANC State TX Zip 77478

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

Please insert additional pages as applicable.

Completed by Denise Grantham
Signature *Denise Grantham/CAP*

Telephone 832.796.6139 Title Regulatory Specialist
Office Of Oil and Gas JUN 05 2024
State Department of Environmental Protection

Submission of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

08/16/2024 *[Signature]*



Southwestern Energy®

Well Name:

Constance Taylor Wtz 210H

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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	1443.00	1439.00	NA	NA	
Pittsburgh Coal	1400.00	1396.00	1407.00	1403.00	
Pottsville (ss)	1474.00	1470.00	1548.00	1544.00	
Raven Cliff (ss)	1883.00	1875.00	2231.00	2219.00	
Big Injun (ss)	2616.00	2599.00	2833.00	2814.00	
Berea (siltstone)	3196.00	3170.00	3218.00	3193.00	
Rhinestreet (shale)	6832.00	6767.00	7146.00	7072.00	
Cashaqua (shale)	7146.00	7072.00	7282.00	7190.00	
Middlesex (shale)	7282.00	7190.00	7365.00	7255.00	
Burket (shale)	7406.00	7285.00	7445.00	7310.00	
Tully (ls)	7445.00	7310.00	7483.00	7333.00	
Mahantango (shale)	7483.00	7333.00	7679.00	7420.00	
Marcellus (shale)	7679.00	7420.00	NA	NA	GAS

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	03/16/2024
Job End Date:	04/12/2024
State:	West Virginia
County:	Wetzel
API Number:	47-103-03611-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	CONSTANCE TAYLOR WIZ 210H
Latitude:	39.654436
Longitude:	-80.679138
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7568
Total Base Water Volume (gal)*:	23450378
Total Base Non Water Volume:	80018



Water Source	Percent
Surface Water, < 1000TDS	96.80%
Produced Water	3.20%

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					
Exceletrate LX-15	SWN Well Services	Friction Reducer					
FE-1A	SWN Well Services	Iron Control					
HAI-501	SWN Well Services	Corrosion Inhibitor					
HCL	SWN Well Services	Solvent					
MC MX 2-2822	SWN Well Services	Scale Inhibitor					
Sand	SWN Well Services	Proppant					

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Tolicide 4Frac	SWN Well Services	Biocide					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	90.27198	
			Crystalline silica, quartz	14808-60-7	100.00000	9.62052	
			Complex Amine Compound	Proprietary	50.00000	0.03871	
			Hydrochloric acid	7647-01-0	15.00000	0.03538	
			Hydrotreated light petroleum distillate	64742-47-8	25.00000	0.01936	
			Surfactant	Proprietary	5.00000	0.00387	
			Quaternary Ammonium Compounds	68424-85-1	8.00000	0.00080	
			Ethoxylated alcohols	Proprietary	5.00000	0.00079	
			Acetic anhydride	108-24-7	65.00000	0.00077	
			Alkoxylated polyhydric alcohol	Proprietary	1.00000	0.00077	
			Methanol	67-56-1	60.00000	0.00075	
			Polyethylenepoly- ethoxylated phosphonomethylated sodiumsalts	70900-16-2	20.00000	0.00052	
			Acetic acid	64-19-7	35.00000	0.00042	
			Ethanol	64-17-5	3.00000	0.00027	
			Sodium chloride	7647-14-5	5.00000	0.00013	
			Modified thiourea polymer	Proprietary	30.00000	0.00011	
			Propargyl alcohol	107-19-7	5.00000	0.00002	

* 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%

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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Department of Environmental Protection
Office of Oil and Gas**

Well Operator's Report of
Initial Gas-Oil Ratio

Well Operator SWN PRODUCTION COMPANY LLC Designated Agent _____
Address PO BOX 12359 Address _____
SPRING, TX 77391-2359 _____

Geological Target Formation: MARCELLUS Depth 7569' TVD / 21996' MD feet
Perforation Interval 7814' / 21899' feet

Guidelines for testing:

1. A minimum of gas vented or flared.
2. A 24 hour pre-flow into pipelines or tanks.
3. Uniform producing rate during the 24 hour test per test period.
4. Measurement standards as for Form WR-39, "Report of Annual Production" (see 35CSR4-15)
5. Separate Form WR-36 for each producing formation in a multiple completion.

TEST DATA

Start of Test Date 5/25/2024		Time 12:00am		End of Test Date 5/26/2024		Time 12:00am		Duration of Test 24 hrs	
Tubing Pressure n/a		Casing Pressure 2420 psi		Separator Pressure 479 psi		Separator Temperature 73 degF			
Oil Production During Test 145		Gas Production During Test 25945		Water Production During Test 712		160,000 ppm -Salinity			
Oil Gravity 68		Producing Method (flowing, pumping, gas lift etc.) free flowing up casing							

GAS PRODUCTION

Measurement Method Flange Tap <input checked="" type="checkbox"/> Pipe Tap <input type="checkbox"/> L-10 <input type="checkbox"/>			Positive Choke <input checked="" type="checkbox"/>		
Orifice diameter 3"			Pipe Diameter (inside) 3"		
Differential Pressure range 367 - 451"			Max. Static pressure range 480 psi		
Differential 410"			Static 479 psi		
Gas Gravity (Air = 1.0) Measured _____ Estimated 0.68		Flowing Temperature 73 degF		Gas Temperature 73 degF	
24 Hour Coefficient 1		24 Hour coefficient pressure PSIA 14.65			

TEST RESULTS

Daily Oil 145	Daily Water 712	Daily Gas 25945	Gas-Oil Ratio 178 mcf/bbl
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Denise Grantham / CAP
Well Operator

BY DENISE GRANTHAM

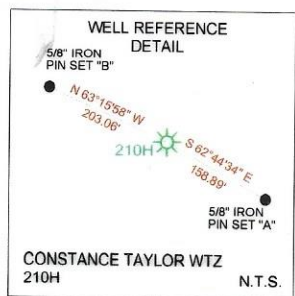
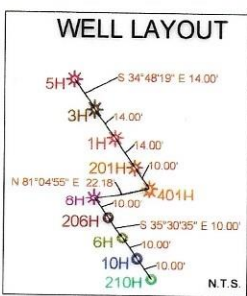
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08/16/2024

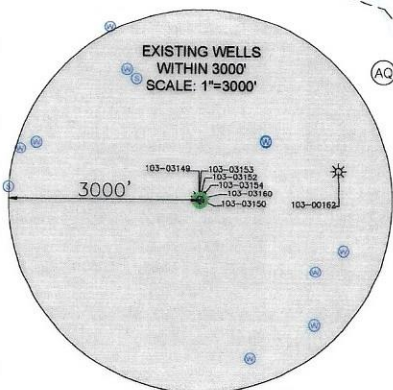
LATITUDE: 39°40'00" SURFACE HOLE (2000' SCALE) | 3,521'
 LATITUDE: 39°40'00" BOTTOM HOLE (2000' SCALE) | 4620'



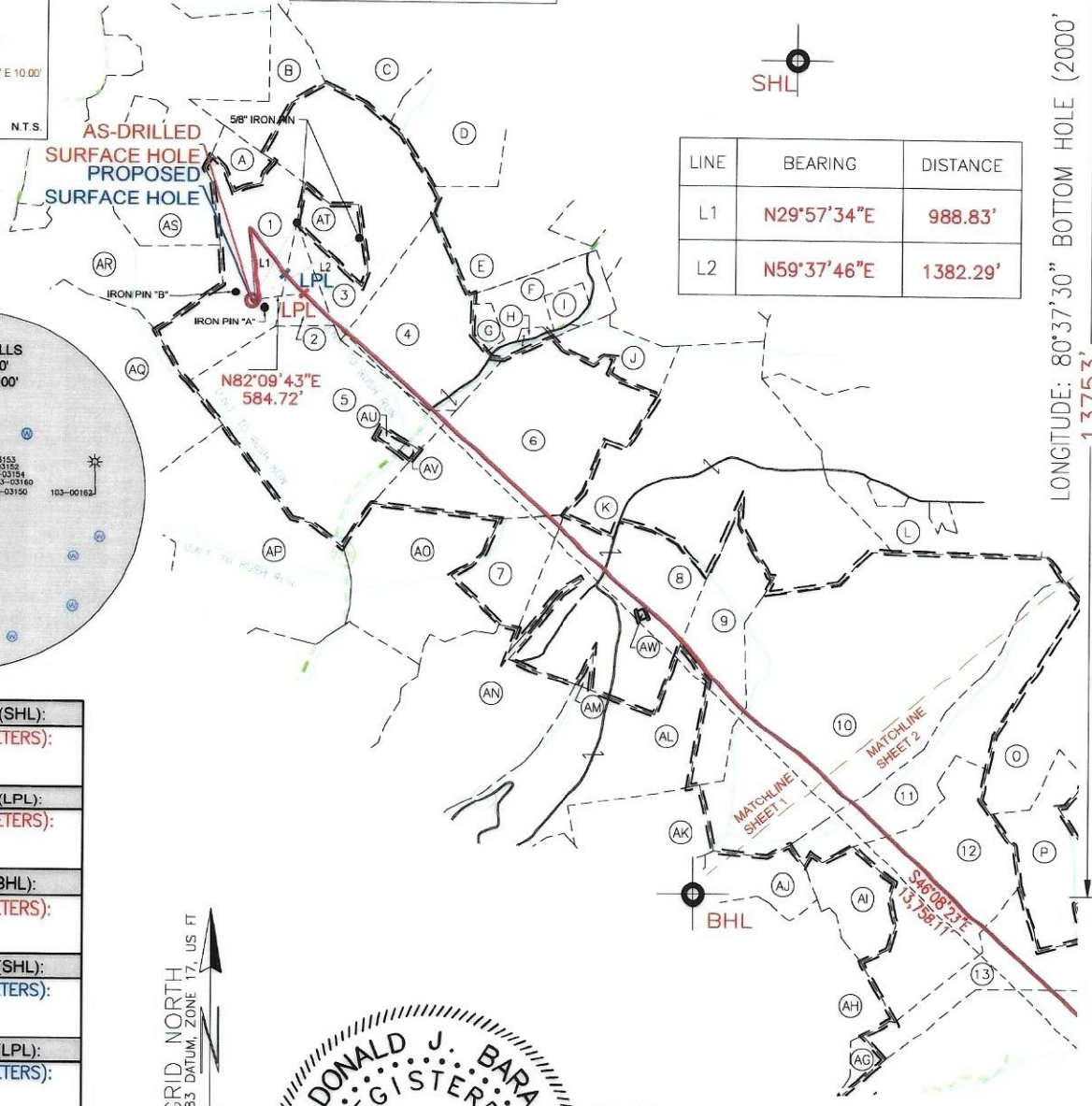
68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100



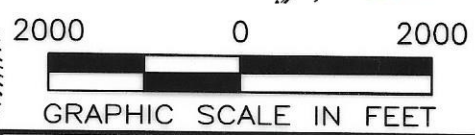
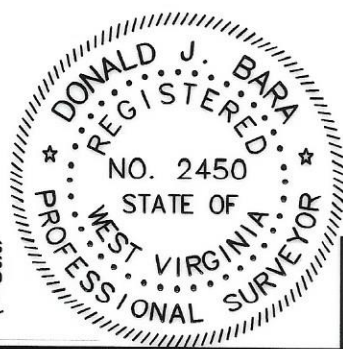
- NOTES ON SURVEY**
- COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.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



LINE	BEARING	DISTANCE
L1	N29°57'34"E	988.83'
L2	N59°37'46"E	1382.29'



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4389453.49 EASTING: 527526.14
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4389480.73 EASTING: 527702.20
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4386626.90 EASTING: 530772.92
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4389453.49 EASTING: 527526.14
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4389547.36 EASTING: 527635.83
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4386627.67 EASTING: 530773.83



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. 2450

COMPANY:
SWN **SWN** ^{RE-V+}
 Production Company, LLC 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 ELEVATION: GRADE GPS (NAVD 88, US FT)

CONSTANCE TAYLOR WTZ
 OPERATOR'S WELL #: 210H
 API WELL #: 47 103 03611
 STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH
 DISTRICT: PROCTOR COUNTY: WETZEL
 SURFACE OWNER: CONSTANCE A. TAYLOR
 OIL & GAS ROYALTY OWNER: CONSTANCE A. TAYLOR

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 08/16/2024

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,570' TVD 21,996' TMD

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

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

LEGEND:

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

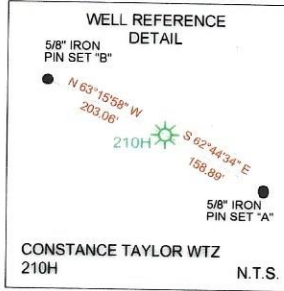
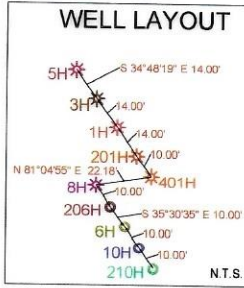
REVISIONS:

DATE: 03-12-2024
API NO: 47-103-03611
DRAWN BY: Z. WOOD
SCALE: 1" = 2000'
DRAWING NO: 2020-0557
WELL LOCATION PLAT

LATITUDE: 39°40'00" SURFACE HOLE (2000' SCALE) | 3,521'
 LATITUDE: 39°40'00" BOTTOM HOLE (2000' SCALE) | 4620'

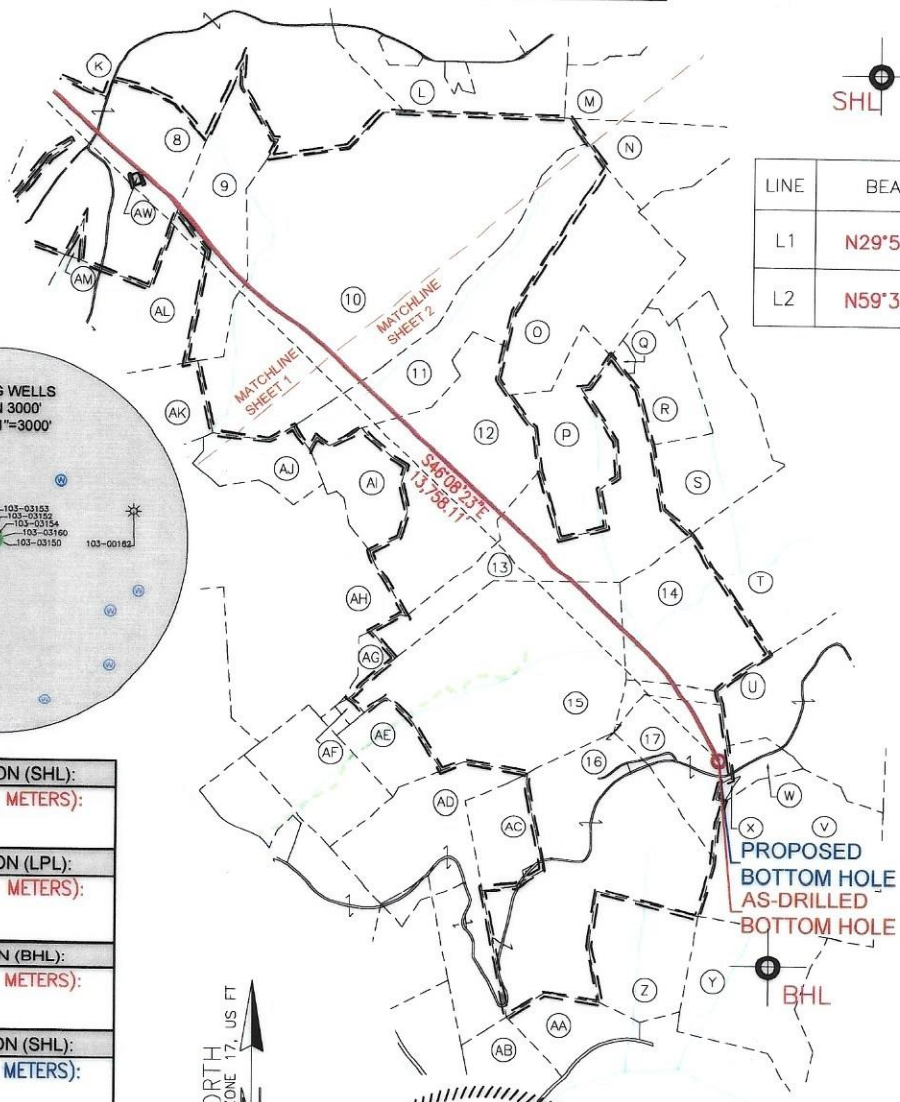


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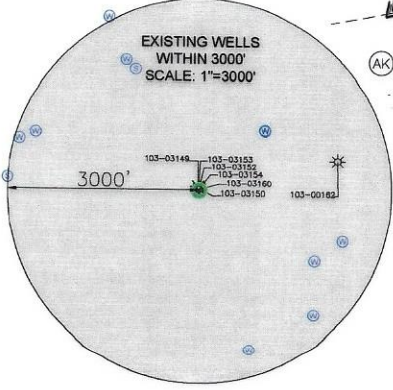


NOTES ON SURVEY

1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
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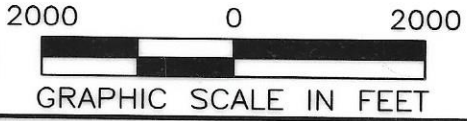
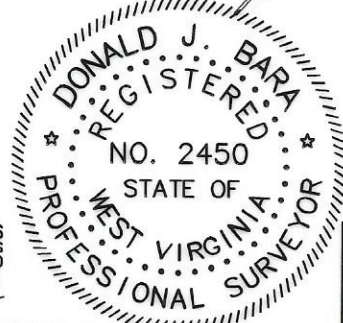


LINE	BEARING	DISTANCE
L1	N29°57'34\"/>	



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4389453.49 EASTING: 527526.14
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4389480.73 EASTING: 527702.20
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BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4386627.67 EASTING: 530773.83

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. 2450

COMPANY:
SWN SWN ^{RT-VT}
 Production Company, LLC Production Company™

WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	CONSTANCE TAYLOR WTZ OPERATOR'S WELL #: 210H API WELL #: 47 103 03611 STATE COUNTY PERMIT
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH
 DISTRICT: PROCTOR COUNTY: WETZEL
 SURFACE OWNER: CONSTANCE A. TAYLOR
 OIL & GAS ROYALTY OWNER: CONSTANCE A. TAYLOR
 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
 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,570' TVD 21,996' TMD

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

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

LEGEND: EXISTING BOTTOM HOLE EXISTING / PRODUCING WELL HEAD ACCESS ROAD PUBLIC ROAD	REVISIONS:	DATE: 03-12-2024 API NO: 47-103-03611
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LONGITUDE: 80°37'30" BOTTOM HOLE (2000' SCALE)
 13753'
 LONGITUDE: 80°40'00" SURFACE HOLE (2000' SCALE) | 4442'

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
1	TAYLOR CONSTANCE A (S/R)	12-18-5	AT	BECKER ERICK D & PHYLLIS M	12-18-7.1
2	BECKER ERICK D & PHYLLIS M	12-18-6	AU	TORMAN STEVE & TORMAN ROBERT, MILLER DIANA & MONROE PEGGY	12-18-12.1
3	BECKER ERICK D & PHYLLIS	12-18-7	AV	DAY PENNY LYNN	12-18-12.2
4	REED VICKY ANN	1-9-3	AW	KIRKLAND CEMETERY	1-13-3
5	WELLS TIMOTHY N	12-18-12			
6	RIGGS MILLARD F SR	1-9-9			
7	DORTON BOBBY J & DEBORAH G	12-18-20			
8	DORTON BOBBY J & DEBORAH G	1-13-1			
9	MORRIS PATRICK L	1-13-4			
10	WYKERT LEWIS EST & ALBERTA	1-13-5			
11	BYLER GARRY L, WRIGHT DAVID W, CSONKA DONNA	1-13-9			
12	RAY CHRISTOPHER & KAREN, HAY L WAYNE II & BRENDA	1-13-17			
13	HAY L WAYNE II & BRENDA	1-13-26			
14	CHANNELL RONALD F & VIVIAN J	1-14-34			
15	CHANNELL RONALD F & VIVIAN J	1-13-34			
16	GREATHOUSE ARLES, GREATHOUSE ROBERT W	1-13-45			
17	EVANS ELLEN K & ETAL	1-14-56			
ADJOINING OWNERS TABLE					
TRACT	SURFACE OWNER	TAX PARCEL			
A	TAYLOR CONSTANCE A	12-14-33			
B	BLAKE BRENT PAUL ETAL, L/E BLAKE PAUL J	12-14-34			
C	RIDGETOP CAPITAL LP	12-14-25			
D	BALLOUZ A C	12-14-35			
E	CECIL ROBERT LEE	12-15-33			
F	RICHMAN TROY	1-9-3.1			
G	RICHMAN TROY & GLENDA M	1-9-3.2			
H	RIGGS MILLARD F SR	1-9-8			
I	THOMAS CALEB & VICTORIA	1-9-3.3			
J	PATRICK ROGER, BEVER DONALD A	1-9-1			
K	HUGGINS FAMILY IRREVOCABLE, TRUST	1-9-10			
L	WYKERT LEWIS N EST, (ALBERTA WYKERT - LIFE)	1-9-11			
M	CAIN SAMUEL EST &, CAIN GLEN JR	1-10-46			
N	CAIN SAMUEL EST &, CAIN GLEN JR	1-14-1			
O	CAIN SAMUEL HRS	1-13-10			
P	WYKERT WAYNE E, WYKERT WAYNE E II	1-13-18			
Q	WYKERT WAYNE E, WYKERT WAYNE E II	1-13-19			
R	WYKERT WAYNE E, WYKERT WAYNE E II	1-14-20			
S	CADLE EARNEST HOWARD, LIVING TRUST	1-14-57			
T	MCELROY GEORGE F, BARTH GOLDIE	1-14-35			
U	THOMAS JACK W	1-14-36			
V	LEMASTERS RANDY W	1-14-45			
W	LEMASTERS RANDY W	1-14-45.1			
X	MOORE J W	1-14-44			
Y	YEAGER DIANNA R & WALLICK DARL, L/E MCBEE DALE LEMOINE	1-18-1			
Z	GREATHOUSE ROBERT WILLIAM	1-17-7			
AA	WILLEY WANDA KAY	1-17-13.8			
AB	MCBEE THOMAS D, SCYOC RICHARD RIDER	1-17-12			
AC	GREATHOUSE ARLES, GREATHOUSE ROBERT W	1-13-44			
AD	GREATHOUSE ROBERT W & KATHY D	1-13-43			
AE	CHANNELL RONALD F & VIVIAN J	1-13-34.2			
AF	MELOTT MICHAEL W, L/E MELOTT MARTIN E SR	1-13-34.1			
AG	WEST BRUCE & MARY	1-13-46			
AH	POSTLETHWAIT TRAVIS J	1-13-15			
AI	RAY CHRISTOPHER O & KAREN, HAY L WAYNE II & BRENDA	1-13-16			
AJ	BERGER RAYNE E	1-13-14			
AK	PHILLIPS TERRY A & CATHLENE L	1-13-14.1			
AL	MORRIS PATRICK L	1-13-8			
AM	ADAMS BESSIE & OSGAY CALVERT	1-13-2			
AN	DORTON BOBBY J & DEBORAH G	1-13-7			
AO	REED VICKY A	12-18-19			
AP	WELLS TIMOTHY N	12-18-18			
AQ	BLAKE TYLER C	12-18-11			
AR	BLAKE KIP MARTIN & SANDRA K	12-18-4.1			
AS	BLAKE BRENT PAUL ETAL, L/E BLAKE PAUL J	12-14-32.3			

08/16/2024

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R₂} ^A ^{V+}
Production Company™

OPERATOR'S

CONSTANCE TAYLOR WTZ

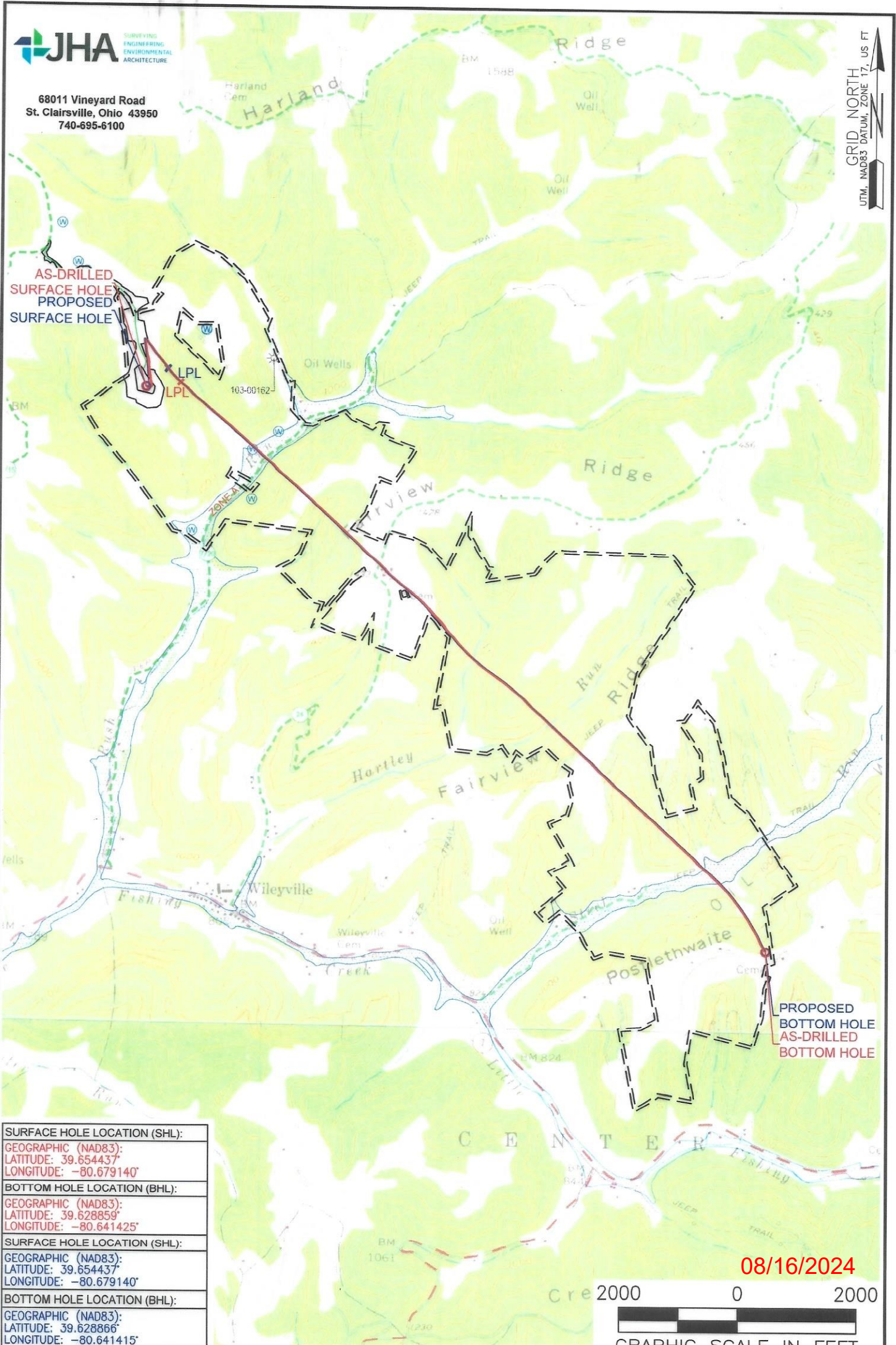
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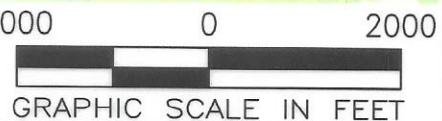
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 39.654437° LONGITUDE: -80.679140°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 39.628859° LONGITUDE: -80.641425°
SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83): LATITUDE: 39.654437° LONGITUDE: -80.679140°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83): LATITUDE: 39.628866° LONGITUDE: -80.641415°

08/16/2024



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
- LPL* EXISTING LANDING POINT LOCATION
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- LPL* PROPOSED LANDING POINT LOCATION
- ACCESS ROAD
- PUBLIC ROAD
- FLOOD PLAIN
- LEASE BOUNDARY
- ASDRILLED PATH
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: CONSTANCE TAYLOR WTZ	WELL # 210H	SERIAL # XXXX
ADDRESS:	COUNTY:	CODE:	DISTRICT:
			API #