

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

API 47-103-03453 County WETZEL District PROCTOR  
Quad WILEYVILLE, WV Pad Name SWN A PAD1 Field/Pool Name VICTORY FIELD WET  
Farm name SWN PRODUCTION COMPANY, LLC Well Number SWN A WTZ 401H  
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 4,392,596.33 Easting 530,898.16  
Landing Point of Curve Northing 4,391,983.26 Easting 530,245.50  
Bottom Hole Northing 4,393,711.07 Easting 528,235.64

Elevation (ft) 1343.2' 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

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Date permit issued 10/4/2021 Date drilling commenced 2/2/2022 Date drilling ceased 2/20/2022  
Date completion activities began 4/14/2022 Date completion activities ceased 5/12/2022  
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 307' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1342' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 1249' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

APPROVED OCT 04 2022  
*Amel L. Reynolds*  
Reviewed by: \_\_\_\_\_  
10/14/2022

API 47- 103 - 03453 Farm name SWN PRODUCTION COMPANY, LLC Well number SWN A WTZ 401H

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	136	NEW	J-55/94#		Y
Surface	17.5	13.375	386	NEW	J-55/54.5#		Y; 22 BBLS
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	2,942	NEW	J-55/36#		Y; 20 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	17,178	NEW	HCP-110/20#		Y; 60 BBLS
Tubing							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	394	15.60	1.20	472.80	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	379 / 797	15.60 / 16.00	1.18 / 1.12	447.22 / 892.64	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2,862	14.50	1.29	3,691.98	SURFACE	24
Tubing							

Drillers TD (ft) 17,178' Loggers TD (ft) 17,178'  
 Deepest formation penetrated MARCELLUS Plug back to (ft) 17,085'  
 Plug back procedure N/A

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Kick off depth (ft) 6,609' AUG 04 2022

Check all wireline logs run  caliper  density  deviated/directional  induction  temperature  neutron  resistivity  gamma ray  sonic  
 WV Department of Environmental Protection

Well cored  Yes  No Conventional Sidewall Were cuttings collected  Yes  No

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

SURFACE: 5 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 INTERMEDIATE: 40 CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 PRODUCTION: 318 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 \_\_\_\_\_





# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/15/2022
Job End Date:	4/23/2022
State:	West Virginia
County:	Wetzel
API Number:	47-103-03453-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	SWN A WTZ 401
Latitude:	39.68263970
Longitude:	-80.63968697
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7,261
Total Base Water Volume (gal):	14,511,148
Total Base Non Water Volume:	0

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## 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	90.29209	Density = 8.345
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	85.00000	0.31928	

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			Water	7732-18-5	85.00000	0.31928	
HCL	SWN Well Services	Solvent					
				Listed Below			
Tolicide 4Frac	SWN Well Services	Biocide					
				Listed Below			
Sand	SWN Well Services	Proppant					
				Listed Below			
Ferriplex 80	SWN Well Services	Iron Control					
				Listed Below			
Plexaid 655NM	SWN Well Services	Scale Inhibitor					
				Listed Below			
Plexslick V996	SWN Well Services	Friction Reducer					
				Listed Below			
FSTI-CI-02	SWN Well Services	Corrosion Inhibitor					
				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	9.27820	
			Hydrochloric Acid	7647-01-0	15.00000	0.04889	



			Tetrakis(Hydroxymethyl) Phosphonium Sulfate	55566-30-8	45.00000	0.00243
			Sodium Erythorbate	6381-77-7	100.00000	0.00174
			Quaternary ammonium compounds	68424-85-1	7.50000	0.00041
			Ethylene glycol	107-21-1	40.00000	0.00020
			Ethanol	64-17-5	2.50000	0.00014
			N,N-Dimethylformamide	68-12-2	10.00000	0.00005
			Cinnamaldehyde	104-55-2	10.00000	0.00005
			Poly(oxy-1,2-ethanediyl), .alpha.-(nonylphenyl)-.omega.-hydroxy-	9016-45-9	10.00000	0.00005
			1-Decanol	112-30-1	5.00000	0.00002
			Isopropyl alcohol	67-63-0	5.00000	0.00002
			2-Butoxyethanol	111-76-2	5.00000	0.00002
			Triethyl phosphate	78-40-0	5.00000	0.00002
			benzyl chloridequaternized	72480-70-7	5.00000	0.00002
			1-Octanol	111-87-5	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%

\*\*\* 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)



Southwestern Energy®

Well Name: SWN A WTZ 401H

47103034530000

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	307.00	307.00	
Top of Salt Water	1342.00	1342.00	NA	NA	
Pittsburgh Coal	1249.00	1247.00	1255.00	1252.00	
Pottsville (ss)	1315.00	1313.00	1782.00	1778.00	
Raven Cliff (ss)	1782.00	1778.00	2107.00	2097.00	
Maxton (ss)	2270.00	2255.00	2458.00	2432.00	
Big Injun (ss)	2458.00	2432.00	2726.00	2678.00	
Berea (siltstone)	3101.00	3033.00	3126.00	3056.00	
Rhinestreet (shale)	7303.00	6698.00	7660.00	7007.00	
Cashaqua (shale)	7660.00	7007.00	7825.00	7132.00	
Middlesex (shale)	7825.00	7132.00	7963.00	7224.00	
Burket (shale)	7963.00	7224.00	8007.00	7250.00	
Tully (ls)	8007.00	7250.00	8050.00	7273.00	
Mahantango (shale)	8050.00	7273.00	8263.00	7354.00	
Marcellus (shale)	8263.00	7354.00	NA	NA	GAS



**SWN A WTZ 401H  
ATTACHMENT 1  
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	3/30/2022	17,085	16,988	36
2	4/15/2022	16,954	16,775	36
3	4/15/2022	16,741	16,562	36
4	4/15/2022	16,528	16,349	36
5	4/15/2022	16,315	16,136	36
6	4/16/2022	16,102	15,923	36
7	4/16/2022	15,889	15,710	36
8	4/16/2022	15,676	15,497	36
9	4/17/2022	15,463	15,284	36
10	4/17/2022	15,250	15,071	36
11	4/17/2022	15,037	14,858	36
12	4/17/2022	14,824	14,645	36
13	4/18/2022	14,611	14,432	36
14	4/18/2022	14,398	14,219	36
15	4/18/2022	14,185	14,006	36
16	4/18/2022	13,972	13,793	36
17	4/19/2022	13,759	13,580	36
18	4/19/2022	13,546	13,367	36
19	4/19/2022	13,333	13,154	36
20	4/19/2022	13,120	12,941	36
21	4/19/2022	12,907	12,728	36
22	4/20/2022	12,694	12,515	36
23	4/20/2022	12,481	12,302	36
24	4/20/2022	12,268	12,089	36
25	4/20/2022	12,055	11,876	36
26	4/20/2022	11,842	11,663	36
27	4/21/2022	11,629	11,450	36
28	4/21/2022	11,416	11,237	36
29	4/21/2022	11,203	11,024	36
30	4/21/2022	10,990	10,811	36
31	4/21/2022	10,777	10,598	36
32	4/21/2022	10,564	10,385	36
33	4/22/2022	10,351	10,172	36
34	4/22/2022	10,138	9,959	36
35	4/22/2022	9,925	9,746	36
36	4/22/2022	9,712	9,533	36
37	4/22/2022	9,499	9,320	36
38	4/23/2022	9,286	9,107	36
39	4/23/2022	9,073	8,894	36
40	4/23/2022	8,860	8,681	36
41	4/23/2022	8,647	8,468	36

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**SWN A WTZ 401H  
ATTACHMENT 2  
STIM REPORT**

STAGE NUM	Stim Date	Ave Pump		Breakdown	ISIP (psi)	Amount of		Amount of nitrogen/othe
		Rate (BPM)	Treatment			Proppant (lbs)	water bbls	
				Max				
1	4/15/2022	79.7	8,589	6,629	3,865	174,190	5,605	0
2	4/15/2022	91.3	8,906	5,463	3,802	303,730	8,713	0
3	4/15/2022	93.7	8,864	5,680	5,496	305,060	9,041	0
4	4/16/2022	89.8	8,783	5,568	4,489	309,460	9,101	0
5	4/16/2022	96.5	8,999	5,463	4,143	311,260	9,319	0
6	4/16/2022	90.3	9,137	5,927	4,752	305,230	8,522	0
7	4/16/2022	94	9,360	6,725	5,426	309,400	9,613	0
8	4/16/2022	88.3	9,103	6,985	5,220	309,940	10,280	0
9	4/17/2022	91.1	9,245	6,525	5,230	304,180	8,939	0
10	4/17/2022	77.1	7,835	6,547	4,620	303,680	9,431	0
11	4/17/2022	94.4	9,027	6,363	5,543	305,600	8,308	0
12	4/17/2022	94.7	9,199	6,250	5,228	309,940	8,749	0
13	4/18/2022	72.9	8,333	6,895	4,334	304,810	9,255	0
14	4/18/2022	88.1	8,801	6,305	4,319	302,310	8,314	0
15	4/18/2022	90.6	9,304	6,325	5,906	306,400	8,303	0
16	4/18/2022	94.3	9,018	6,245	5,561	306,260	8,435	0
17	4/19/2022	94.2	9,110	6,218	4,726	305,760	8,773	0
18	4/19/2022	92.7	8,741	5,206	4,621	301,430	8,224	0
19	4/19/2022	91.2	8,304	5,340	4,946	304,500	8,204	0
20	4/19/2022	90.5	8,244	6,253	5,869	306,640	8,193	0
21	4/20/2022	95	8,553	6,685	5,985	301,140	8,231	0
22	4/20/2022	94.6	8,718	6,582	4,823	303,460	8,511	0
23	4/20/2022	88.9	8,095	6,417	4,989	299,900	8,311	0
24	4/20/2022	94	8,214	6,178	4,856	304,060	8,432	0
25	4/20/2022	90.9	8,552	5,825	5,689	300,340	8,310	0
26	4/20/2022	94	8,367	5,985	5,621	305,790	8,187	0
27	4/21/2022	94.9	8,530	6,425	6,125	305,410	8,189	0
28	4/21/2022	94.9	8,349	5,965	5,063	304,220	8,465	0
29	4/21/2022	83.2	7,192	5,590	5,289	307,540	9,247	0
30	4/21/2022	93.9	8,161	6,263	5,626	310,260	8,414	0
31	4/21/2022	95.4	8,239	6,157	4,854	300,820	8,085	0
32	4/22/2022	94.3	8,055	6,782	5,112	307,800	8,097	0
33	4/22/2022	89.2	7,980	6,028	4,759	302,850	8,040	0
34	4/22/2022	94.8	7,900	6,102	4,598	298,820	7,926	0
35	4/22/2022	94.1	7,940	6,488	4,862	302,950	7,974	0
36	4/22/2022	94.4	7,864	6,350	4,855	328,380	8,397	0
37	4/22/2022	95.6	8,030	6,255	4,952	326,230	8,157	0
38	4/23/2022	85.7	7,492	5,970	4,804	322,360	8,233	0
39	4/23/2022	94.5	7,883	6,723	4,652	307,160	8,225	0
40	4/23/2022	94.6	7,629	6,153	4,642	302,420	7,943	0
41	4/23/2022	95.7	7,764	6,013	4,799	311,800	7,973	0

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

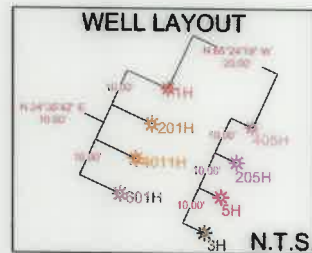
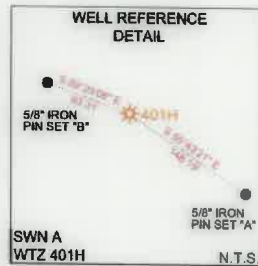
LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE)



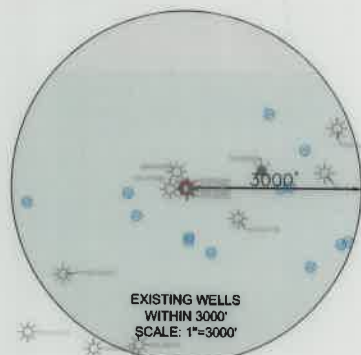
69011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

**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	S71°03'49"W	1319.44'
L2	S46°38'13"W	653.67'



PROPOSED BOTTOM HOLE  
AS-DRILLED BOTTOM HOLE

<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4392596.33 EASTING: 530898.16
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4391983.26 EASTING: 530245.50
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4393711.07 EASTING: 528235.64
<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4392596.42 EASTING: 530898.27
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4391983.56 EASTING: 530250.37
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4393711.74 EASTING: 528235.91

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.E. 19809

COMPANY: **SWN** Production Company, LLC

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF SURVEY GRADE GPS ELEVATION: (NAVD 88, US FT)	COMPANY: SWN OPERATOR'S WELL #: SWN A WTZ 401H API WELL #: 47 103 03453 STATE COUNTY PERMIT
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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"/>	WATERSHED: UPPER OHIO SOUTH DISTRICT: PROCTOR COUNTY: WETZEL SURFACE OWNER: SWN PRODUCTION COMPANY, LLC OIL & GAS ROYALTY OWNER: RODNEY CALVERT, ET AL	ELEVATION: 1343.2' QUADRANGLE: WILEYVILLE, WV ACREAGE: ±128.24 ACREAGE: ±128.24
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"/>	CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED	ESTIMATED DEPTH: 7,382' TVD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26504	DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
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<b>LEGEND:</b> ○ 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 — AS-DRILLED PATH — PROPOSED PATH	<b>REVISIONS:</b> DATE: 03-31-2022 API NO: 47-103-03453 DRAWN BY: R. GRIMES SCALE: 1" = 2000' DRAWING NO: 2016-519 WELL LOCATION PLAT
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10/14/2022

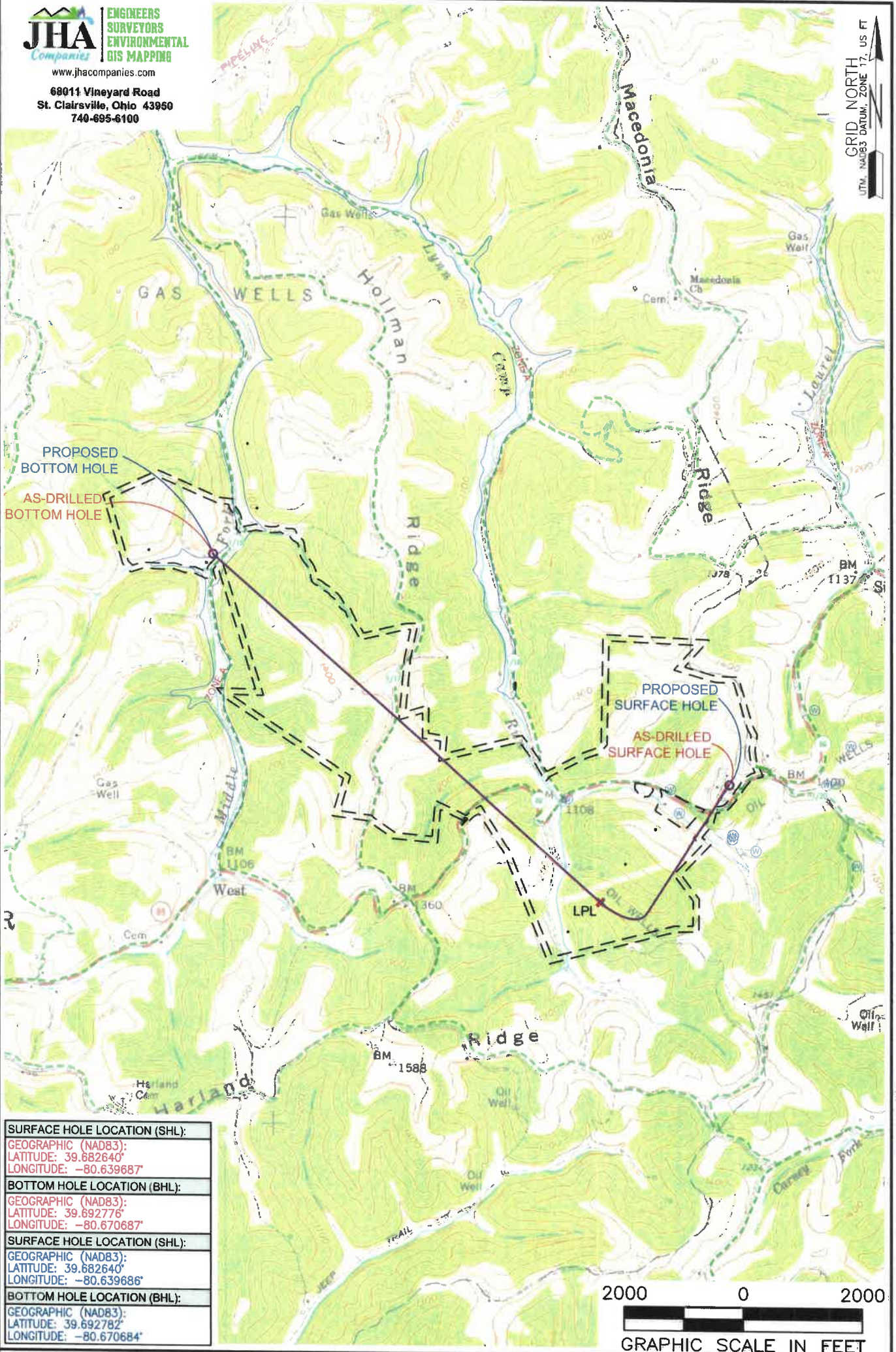
WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SWN PRODUCTION COMPANY LLC (S) RODNEY CALVERT, ET AL (R)	12-10-29
TRACT	SURFACE OWNER	TAX PARCEL
2	CALVERT RODNEY A	12-10-29.3
3	DREYER JOSEPH C	12-15-8
4	HAESSLY LAND AND TIMBER LLC	12-15-7
5	HAESSLY LAND AND TIMBER LLC	12-15-6
6	HAESSLY LAND AND TIMBER LLC	12-10-33
7	HAESSLY HARDWOOD LUMBER CO	12-10-32
8	STATE OF WEST VIRGINIA, DIVISION OF HIGHWAYS	PROCTOR CREEK ROAD (COUNTY HIGHWAY 89)
9	HUGGINS JOSEPH DEAN	12-10-31
10	HUGGINS JOSEPH DEAN	12-10-25
11	RITCHEA ROBERT C & JAMES L	12-10-24
12	HAESSLY HARDWOOD LUMBER CO	12-10-23
13	HAESSLY LAND AND TIMBER LLC	12-10-20
14	HUGGINS MICHAEL A & PATRICK W	12-9-23
15	GODDARD WAYNE L	12-9-22

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	YOHO NORMA F	1-7-40
B	SWN PRODUCTION COMPANY	12-10-29.2
C	CALVERT RODNEY A	12-10-29.5
D	HUTCHISON MARGARET A	12-15-9
E	HAESSLY LAND AND TIMBER LLC	12-15-10
F	LEMASTERS DOLLY G EST	12-15-19
G	HAESSLY LAND AND TIMBER LLC	12-15-5
H	HAESSLY LAND AND TIMBER LLC	12-15-4
I	HUGGINS JOSEPH DEAN	12-15-1
J	RITCHEA WILLIAM D & SHIRLEY E	12-14-9
K	GODDARD WAYNE L	12-9-46
L	WOODSTUFF JOYCE R	12-9-44
M	GODDARD WAYNE L	12-9-33
N	BLAKE VERIL JEROME	12-9-32
O	BLAKE VERIL JEROME	12-9-21
P	SHULUGA ANDREW D & ANDREA M	12-9-13
Q	SHULUGA ANDREW D & ANDREA M	12-9-14
R	SHULUGA ANDREW D & ANDREA M	12-9-15
S	RICHMOND CASSIDI PAIGE	12-10-13
T	RICHMOND CASSIDI PAIGE	12-10-21
U	RITCHEA ROBERT C & JAMES L	12-10-22
V	SWN PRODUCTION COMPANY LLC	12-10-26
W	SWN PRODUCTION COMPANY LLC	12-10-27
X	SWN PRODUCTION COMPANY LLC	12-10-28
Y	YOHO DARREN ET AL	12-10-16
Z	YOHO DARREN ET AL	12-10-18
AA	DURIG CORY & DAVID	1-7-2
AB	CALVERT RODNEY A	12-10-29.4
AC	CALVERT RODNEY A	12-10-29.1

REVISIONS:


COMPANY:		 		10/14/2022
OPERATOR'S		SWN A WTZ		DATE: 03-31-2022
WELL #:		401H		API NO: 47-103-03453
DISTRICT:		COUNTY:	STATE:	DRAWN BY: R. GRIMES
PROCTOR		WETZEL	WV	SCALE: N/A
				DRAWING NO: 2016-519
				WELL LOCATION PLAT





<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 39.682640°
LONGITUDE: -80.639687°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 39.692776°
LONGITUDE: -80.670687°
<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 39.682640°
LONGITUDE: -80.639686°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 39.692782°
LONGITUDE: -80.670684°



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

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> SWN A WTZ	<b>WELL #</b> 401H	<b>SERIAL #</b> XXXX
<b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	<b>COUNTY:</b> WETZEL	<b>CODE:</b> 103	<b>DISTRICT:</b> PROCTOR
<b>SURFACE OWNER:</b> SWN PRODUCTION COMPANY, LLC	<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> WILEYVILLE, WV		
		<b>API #</b> 47-103-3543	

10/14/2022