

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

API 47 - 069 - 00247 County OHIO District TRIADELPHIA  
Quad VALLEY GROVE, WV Pad Name BRIAN DYTKO OHI PAD 1 Field/Pool Name PANHANDLE FIELD WET  
Farm name BRIAN J. DYTKO Well Number BRIAN DYTKO OHI 206H  
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 4,431,153.98 Easting 533,444.42  
Landing Point of Curve Northing 4,430,659.72 Easting 532,947.04  
Bottom Hole Northing 4,428,521.29 Easting 534,138.93

Elevation (ft) 1222.5' 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 9/29/2017 Date drilling commenced 5/18/2018 Date drilling ceased 5/29/2018  
Date completion activities began 1/2/2019 Date completion activities ceased 2/10/2019  
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 555' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 999' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 649' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) Y

Reviewed by:  
**Reviewed**  
*[Signature]* 5-28-19

WR-35  
Rev. 8/23/13

API 47-069 - 00247 Farm name BRIAN J. DYTOKO Well number BRIAN DYTOKO OHI 206H

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	678	NEW	J-55/54.5#		Y, 49 BBLS
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	1,985	NEW	H-40/36#		Y, 25 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	15,229	NEW	HCP-110/20#		Y
Tubing		2.375	7,144	NEW	L-80/4.7#		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	684	15.60	1.20	820.80	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	742	15.60	1.18	875.56	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2,900	15.60	1.18	3,422.00	SURFACE	24
Tubing							

Drillers TD (ft) 15,229' Loggers TD (ft) 15,229'  
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A  
 Plug back procedure N/A

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Kick off depth (ft) 6,256'

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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 \_\_\_\_\_







## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	1/2/2019
Job End Date:	2/2/2019
State:	West Virginia
County:	Ohio
API Number:	47-069-00247-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Brian Dytko OHI 206
Latitude:	40.02994100
Longitude:	-80.60802300
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	637
Total Base Water Volume (gal):	9,108,852
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
Sand	SWN Well Services	Proppant					
				Listed Below			
Econo-CI200	SWN Well Services	Corrosion Inhibitor					
				Listed Below			

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BIOC11219A	Nalco	Biocide					
				Listed Below			
SWN FRW-10LA	SWN Well Services	Friction Reducer					
				Listed Below			
Base Water	Operator	Base Fluid					
				Listed Below			
Ecopol-FEAC	SWN Well Services	Iron Control					
				Listed Below			
SCAL16486A	Nalco	Scale Inhibitor					
				Listed Below			
HCL	SWN Well Services	Solvent					
				Listed Below			
FLOJET DR 9000LPP	SWN Well Services	Friction Reducer					
				Listed Below			

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

		Water	7732-18-5	100.00000	89.46019	Density = 8.345
		Crystalline Silica, quartz	14808-60-7	100.00000	9.54865	
		Water	7732-18-5	85.00000	0.77384	
		Hydrochloric Acid	7647-01-0	15.00000	0.12886	
		Petroleum Distillates, Hydrotreated	64742-47-8	45.00000	0.04331	

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			Methanol	67-56-1	60.00000	0.01447
			Ethylene glycol	107-21-1	10.00000	0.01136
			Benzyl-(C12-C16 Alky)- Dimethyl-Ammonium	68424-85-1	30.00000	0.00723
			Chloride Glutaraldehyde	111-30-8	10.00000	0.00241
			Fatty alcohols ethoxylated	Proprietary	2.00000	0.00192
			Alcohols, C12- C16,Ethoxylated propoxylated	68213-24-1	2.00000	0.00192
			Amine Triphosphate	Proprietary	30.00000	0.00173
			Acetic Acid	64-19-7	37.50000	0.00173
			Methanol	67-56-1	80.00000	0.00107
			Citric Acid	77-92-9	22.50000	0.00104
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00013
			Fatty acids	61790-12-3	5.02700	0.00007
			Modified thiourea polymer	68527-49-1	4.74600	0.00006
			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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Brian Dytko OHI 206H  
ATTACHMENT 1  
PERF REPORT

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	12/19/2018	15,162	15,067	
2	1/4/2019	14,993	14,912	42
3	1/5/2019	14,889	14,812	42
4	1/5/2019	14,789	14,712	42
5	1/6/2019	14,689	14,612	42
6	1/6/2019	14,589	14,512	42
7	1/7/2019	14,489	14,412	42
8	1/7/2019	14,372	14,312	42
9	1/7/2019	14,289	14,212	42
10	1/8/2019	14,189	14,112	42
11	1/8/2019	14,089	14,012	42
12	1/9/2019	13,989	13,912	42
13	1/9/2019	13,892	13,812	42
14	1/9/2019	13,789	13,712	42
15	1/9/2019	13,689	13,612	42
16	1/10/2019	13,589	13,512	42
17	1/10/2019	13,489	13,412	42
18	1/10/2019	13,389	13,312	42
19	1/10/2019	13,289	13,210	42
20	1/11/2019	13,189	13,112	42
21	1/11/2019	13,084	13,012	42
22	1/11/2019	12,989	12,912	42
23	1/11/2019	12,889	12,812	42
24	1/11/2019	12,789	12,718	42
25	1/12/2019	12,689	12,612	42
26	1/12/2019	12,582	12,512	42
27	1/12/2019	12,483	12,412	42
28	1/13/2019	12,389	12,312	42
29	1/13/2019	12,289	12,217	42
30	1/13/2019	12,189	12,112	42
31	1/14/2019	12,084	12,012	42
32	1/14/2019	11,984	11,912	42
33	1/14/2019	11,889	11,812	42
34	1/14/2019	11,789	11,715	42
35	1/14/2019	11,689	11,612	42
36	1/14/2019	11,582	11,513	42
37	1/15/2019	11,489	11,412	42
38	1/15/2019	11,389	11,312	42
39	1/16/2019	11,284	11,212	42
40	1/16/2019	11,189	11,112	42
41	1/16/2019	11,087	11,014	42
42	1/17/2019	10,989	10,912	42
43	1/17/2019	10,889	10,812	42
44	1/17/2019	10,789	10,709	42
45	1/18/2019	10,689	10,612	42
46	1/18/2019	10,589	10,512	42
47	1/18/2019	10,489	10,412	42
48	1/19/2019	10,389	10,312	42
49	1/19/2019	10,289	10,212	42
50	1/19/2019	10,189	10,112	42
51	1/20/2019	10,085	10,012	42
52	1/20/2019	9,989	9,912	42
53	1/22/2019	9,889	9,812	42
54	1/24/2019	9,789	9,714	42
55	1/25/2019	9,689	9,612	42
56	1/25/2019	9,585	9,512	42
57	1/26/2019	9,489	9,412	42
58	1/26/2019	9,389	9,312	42
59	1/26/2019	9,289	9,214	42
60	1/26/2019	9,189	9,112	42
61	1/27/2019	9,089	9,012	42
62	1/27/2019	8,989	8,910	42
63	1/27/2019	8,889	8,812	42
64	1/27/2019	8,785	8,712	42
65	1/28/2019	8,689	8,612	42
66	1/28/2019	8,589	8,512	42
67	1/28/2019	8,489	8,410	42
68	1/29/2019	8,389	8,312	42
69	1/29/2019	8,287	8,212	42
70	1/29/2019	8,189	8,112	42
71	1/29/2019	8,089	8,012	42
72	1/29/2019	7,989	7,916	42
73	1/30/2019	7,889	7,812	42
74	1/30/2019	7,785	7,712	42
75	1/30/2019	7,689	7,612	42
76	1/31/2019	7,589	7,512	42
77	2/1/2019	7,489	7,410	42
78	2/1/2019	7,389	7,312	42
79	2/1/2019	7,285	7,212	42
80	2/1/2019	7,189	7,112	42
81	2/2/2019	7,089	7,012	42



05/31/2019

Brian Dytko OHI 206H  
 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	1/2/2019	66	8,181	8,506	3,201	108,790	5,892	0
2	1/4/2019	85	8,186	6,241	3,620	114,970	3,497	0
3	1/5/2019	94	8,139	5,258	4,395	97,600	2,801	0
4	1/5/2019	92	8,212	5,473	4,212	107,170	2,888	0
5	1/6/2019	84	8,112	5,764	3,845	104,170	2,659	0
6	1/6/2019	87	8,082	6,145	3,716	106,830	2,894	0
7	1/7/2019	85	8,140	4,917	3,981	97,775	2,549	0
8	1/7/2019	86	8,240	6,317	4,061	99,295	2,961	0
9	1/7/2019	85	8,249	5,274	4,303	105,970	5,889	0
10	1/8/2019	81	7,453	6,803	3,804	110,190	3,982	0
11	1/8/2019	78	7,968	5,730	4,566	97,875	2,708	0
12	1/9/2019	85	7,858	5,005	4,852	106,250	2,992	0
13	1/9/2019	88	7,613	5,878	4,345	110,100	3,011	0
14	1/9/2019	91	7,798	5,897	5,060	107,780	3,034	0
15	1/9/2019	75	7,812	5,886	5,060	107,780	2,846	0
16	1/10/2019	80	7,567	5,870	5,060	107,780	2,730	0
17	1/10/2019	91	7,659	5,609	4,344	104,080	2,993	0
18	1/10/2019	89	7,781	5,831	4,493	104,690	2,996	0
19	1/11/2019	74	7,787	5,151	4,493	109,120	2,847	0
20	1/11/2019	83	7,840	5,933	4,265	111,510	2,842	0
21	1/11/2019	90	7,986	5,738	4,084	106,630	2,759	0
22	1/11/2019	84	7,804	6,127	4,335	102,488	2,750	0
23	1/11/2019	84	7,627	5,617	4,335	109,340	2,801	0
24	1/12/2019	85	7,952	5,478	4,335	107,410	2,814	0
25	1/12/2019	95	7,667	5,551	4,455	107,130	2,705	0
26	1/12/2019	98	8,070	5,284	4,150	111,150	2,838	0
27	1/13/2019	87	7,936	5,138	4,463	104,370	2,793	0
28	1/13/2019	88	7,888	5,887	4,100	106,970	2,692	0
29	1/13/2019	81	7,820	6,138	4,345	106,160	2,734	0
30	1/13/2019	87	8,003	5,487	4,117	106,210	2,545	0
31	1/14/2019	83	7,686	6,121	4,351	105,880	2,672	0
32	1/14/2019	89	7,892	5,718	4,493	100,750	2,469	0
33	1/14/2019	93	7,946	5,807	4,469	106,680	2,628	0
34	1/14/2019	92	7,829	5,593	4,563	110,780	2,714	0
35	1/14/2019	88	7,871	6,125	4,383	107,460	2,610	0
36	1/14/2019	90	7,991	5,496	4,149	109,800	2,606	0
37	1/15/2019	95	7,719	5,282	4,889	107,740	2,747	0
38	1/15/2019	89	7,670	5,512	4,516	107,740	2,592	0
39	1/16/2019	91	7,451	5,226	4,344	106,740	2,529	0
40	1/16/2019	95	7,721	6,322	4,481	106,180	2,578	0
41	1/16/2019	89	7,679	5,718	3,650	106,180	2,575	0
42	1/17/2019	81	7,519	5,740	4,298	115,790	2,919	0
43	1/17/2019	87	7,396	5,248	4,235	110,430	2,764	0
44	1/17/2019	86	7,604	5,480	4,235	108,350	2,611	0
45	1/18/2019	78	7,048	5,722		108,350	2,883	0
46	1/18/2019	76	6,766	5,260	4,043	111,870	2,687	0
47	1/18/2019	89	7,575	5,515	4,452	111,230	2,779	0
48	1/19/2019	81	7,481	5,600	3,905	107,740	2,891	0
49	1/19/2019	82	7,456	5,452	4,538	107,220	2,664	0
50	1/19/2019	79	7,608	6,286	4,655	109,030	2,594	0
51	1/20/2019	84	7,616	5,475	4,163	109,030	2,582	0
52	1/22/2019	79	7,759	5,877	3,813	111,370	2,665	0
53	1/24/2019	86	8,374	5,345	3,775	107,210	2,346	0
54	1/25/2019	83	8,403	6,313	3,988	105,780	2,081	0
55	1/25/2019	94	7,684	5,375	4,398	109,670	2,630	0
56	1/25/2019	86	7,885	6,104	4,103	107,360	2,210	0
57	1/26/2019	91	7,056	5,286	4,412	106,910	2,497	0
58	1/26/2019	90	7,258	4,786	4,216	101,410	2,457	0
59	1/26/2019	91	7,352	5,819	4,039	105,920	2,062	0
60	1/27/2019	86	6,770	5,104	4,053	109,880	2,672	0
61	1/27/2019	84	7,216	5,541	4,028	105,630	2,426	0
62	1/27/2019	85	7,250	5,780	4,132	102,850	12,641	0
63	1/27/2019	91	7,742	6,038	4,098	105,330	2,021	0
64	1/28/2019	92	7,661	5,574	4,052	108,040	2,028	0
65	1/28/2019	89	7,219	5,518	4,807	105,920	2,379	0
66	1/28/2019	83	7,459	5,821	4,701	108,050	2,407	0
67	1/29/2019	85	8,058	6,140	4,577	109,310	2,164	0
68	1/29/2019	91	8,020	5,811	5,271	101,820	2,223	0
69	1/29/2019	87	8,018	5,709	4,994	107,240	2,171	0
70	1/29/2019	92	7,942	5,418	5,011	111,930	2,180	0
71	1/29/2019	81	7,610	5,876	4,905	109,570	1,893	0
72	1/29/2019	82	7,520	5,667	5,018	108,070	1,910	0
73	1/30/2019	95	7,702	5,521	5,482	110,430	2,503	0
74	1/30/2019	95	7,702	5,507	5,108	104,925	2,371	0
75	1/31/2019	87	7,704	5,611	4,736	109,270	2,449	0
76	2/1/2019	93	8,652	6,131	4,580	105,270	2,365	0
77	2/1/2019	91	7,751	5,408	5,225	110,280	2,424	0
78	2/1/2019	93	7,319	5,739	5,312	110,320	2,522	0
79	2/1/2019	96	7,485	5,677	4,825	115,520	2,333	0
80	2/2/2019	96	7,287	6,336	4,263	109,140	2,834	0
81	2/2/2019	94	7,300	5,246	4,655	109,140	2,476	0

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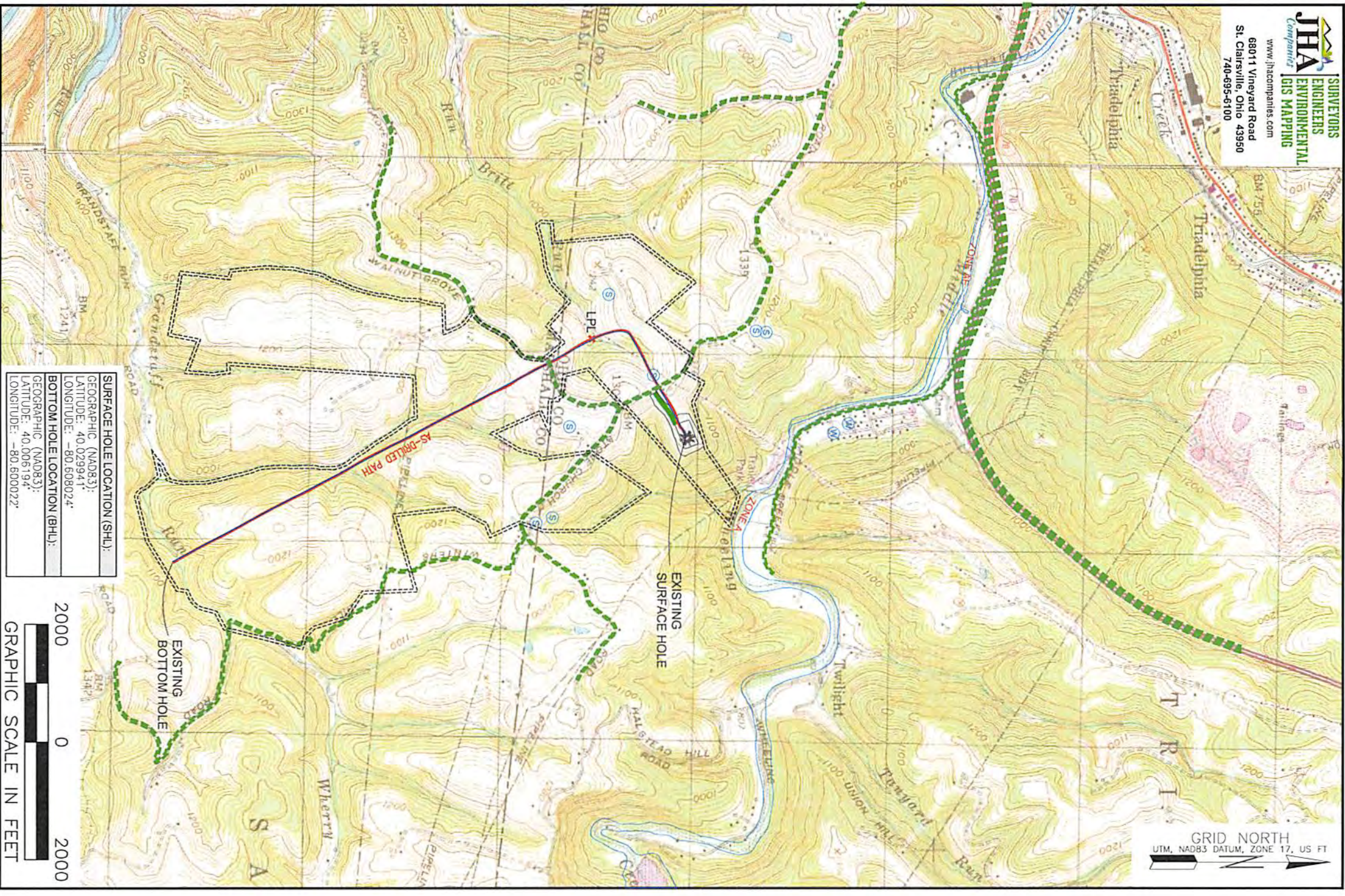
Well Name: Brian Dytko OHI 206H

Attachment 3

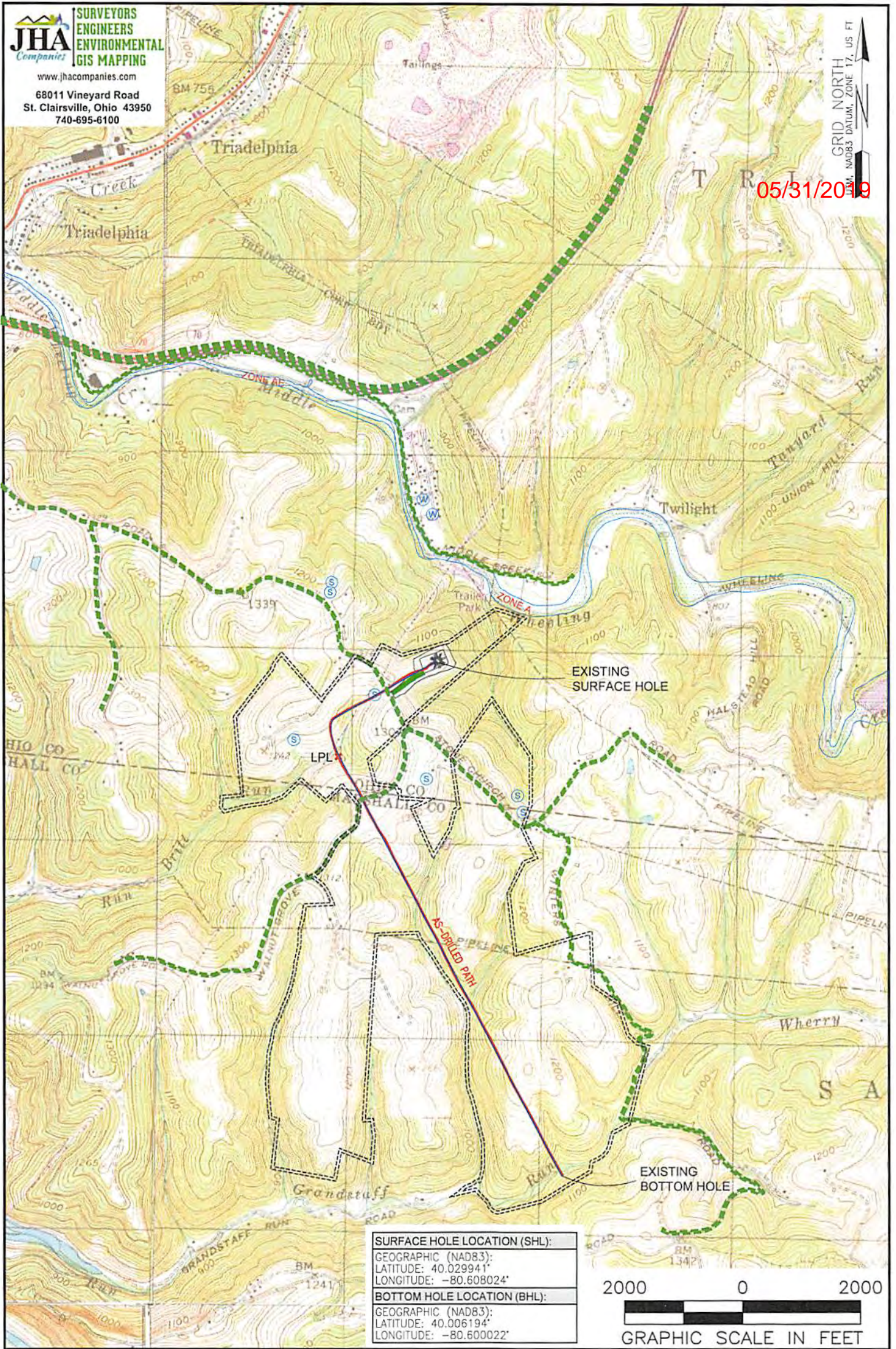
LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	555.00	555.00	
Top of Salt Water	999.00	999.00	NA	NA	
Pittsburgh Coal	639.00	639.00	649.00	649.00	
Maxton (ss)	1519.00	1519.00	1778.00	1778.00	
Big Injun (ss)	1778.00	1778.00	2259.00	2259.00	
Berea (siltstone)	2259.00	2259.00	6115.00	5725.00	
Rhinestreet (shale)	6270.00	5833.00	6458.00	5998.00	
Cashaqua (shale)	6458.00	5998.00	6541.00	6068.00	
Middlesex (shale)	6541.00	6068.00	6647.00	6150.00	
Burket (shale)	6647.00	6150.00	6671.00	6168.00	
Tully (ls)	6671.00	6168.00	6724.00	6202.00	
Mahantango (shale)	6724.00	6202.00	6937.00	6306.00	
Marcellus (shale)	6937.00	6306.00	NA	NA	GAS

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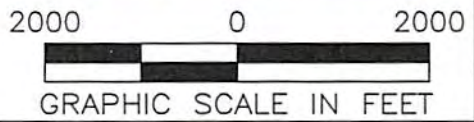








<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.029941°
LONGITUDE: -80.608024°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.006194°
LONGITUDE: -80.600022°



**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:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL\* LANDING POINT LOCATION
- FLOOD PLAN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- AS-DRILLED PATH

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC
<b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508
<b>SURFACE OWNER:</b> BRIAN J. DYTKO



<b>WELL (FARM) NAME:</b> BRIAN DYTKO OHI	<b>WELL #</b> 206H	<b>SERIAL #</b> XXXX
<b>COUNTY</b> OHIO	<b>- CODE</b> - 069	<b>DISTRICT:</b> TRIADELPHIA
<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> VALLEY GROVE, WV		<b>API NO:</b> 47-069-00247



05/31/2019

TRACT	SURFACE OWNER (S) \ ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	BRIAN J DYTKO (S)\(R)	08-118-0004.0001	41.00
WELL BORE TABLE FOR SURFACE \ ROYALTY OWNERS			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	CHARLES D. FISCHER JR AND KAREN FISCHER, HUSBAND AND WIFE	08-118-0004.0000	22.90
3	TIMOTHY LEE KERCHER AND GEORGETTA ELLEN KERCHER	08-118-0002.0001	2.01
4	RJ WHITE PROPERTIES,LLC	08-118-0002.0000	89.82
5	PEARLE A. TAYLOR	12-2-21	2.00
6	EDWARD M. LAWRENCE AND AMANDA G. LAWRENCE, HIS WIFE	12-2-18	0.78
7	ROBERT T SEIDLER AND LISA M. SEIDLER, HIS WIFE	12-2-17	2.00
8	THERESA J BLATT	12-2-22	2.92
9	THERESA J BLATT	12-2-23	21.02
10	SCOTT U VELLENOWETH AND CHRISTINA S. VELLENOWETH, HUSBAND AND WIFE	12-2-11	22.28
11	JAMES P. LITMAN AND CAROLE J. LITMAN, HIS WIFE	12-2-10	188.28
12	THE BAIRD FAMILY TRUST	12-2-2	124.20
13	DON AND EDNA TUBAUGH, HUSBAND AND WIFE	12-2-2	212.22

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	ROBERT L JR & K S BOGARD	08-112-0002.0007	4.07
B	ROBERT L JR & K S BOGARD	08-112-0002.0002	4.72
C	THERESA J BLATT	08-118-0017.0000	27.80
D	GREGORY W. GARDNER & J.F. GARDNER	08-118-0022.0000	0.799
E	FRANCIS R. MALTESE JR	08-118-0028.0000	1.00
F	D G & B A REINKE	08-118-0002.0000	10.22
G	ANNETTE J LAWRENCE	12-2-22.1	0.29
H	GARY LEE EBBERT, JR	08-118-0021.0000	1.10
I	TREVOR P. AND GAIL S. NICKERSON	08-118-0022.0000	1.208
J	CHARLES D. AND M.F. SPANGLER	08-118-0022.0000	1.238
K	JOSEPH A AND K.M. MUELLER	08-118-0024.0001	1.00
L	MICHAEL W. AND BETH J. BITTINGER	08-118-0024.0000	2.00
M	THERESA J. BLATT	08-118-0020.0000	7.28
N	THERESA J. BLATT	08-118-0018.0000	2.881
O	THERESA J. BLATT	08-118-0019.0000	18.242
P	THERESA J. BLATT	08-118-0023.0000	0.89
Q	STANLEY SZYMALUS	08-118-0024.0000	2.28
R	STEWART LEE & SHERRY MCGREARY	08-118-0022.0000	2.00
S	BAIRD FAMILY TRUST	08-118-0008.0000	88.489
T	DANIEL W & VICKI J MCFARLAND	12-2-24	11.87
U	DANIEL W MCFARLAND JR	12-2-4.1	2.21
V	RODNEY J HUNTER	12-2-14	44.89
W	PATRICK E. & VICKI JO KENNEDY	12-2-14.1	2.28
X	MARILYN DARLENE HUNTER	12-2-14.2	0.88
Y	BRIAN MATTHEW MCFARLAND	12-2-12.1	2.07
Z	DANIEL WILLIAM MCFARLAND	12-2-12	28.72
AA	DANIEL WILLIAM MCFARLAND	12-2-11.1	17.882
AB	SANDHILL LAND VENTURES LP	12-8-1	121.21
AC	PETER PARKER	12-2-8	8.18
AD	TD&G LLC	12-2-8	92.44
AE	RICHARD S REINKE	12-2-9	109.21
AF	JOHN W GREGORY ET UX	12-2-9.1	2.22
AG	G P CORP	12-2-12	12.84
AH	CHESTER A GIZA ET UX	12-2-14	28.12
AI	WILLIAM F EDGE JR ET AL	12-2-12	12.28
AJ	WILLIAM F EDGE JR ET AL	12-2-18	22.22
AK	JAMES P. LITMAN ET UX	12-2-18.4	11.82
AL	JAMES P. LITMAN	12-2-1	91.84
AM	TONGMARK NOY SCHMIDT	12-2-19	2.90
AN	TONGMARK NOY SCHMIDT	12-2-20	0.222
AO	PATRICK J LENZ	12-1-14.1	12.74
AP	HAROLD R GARRETT III & C A GARRETT	08-118-0001.0001	24.88
AQ	TIMOTHY LEE & G E KERCHER	08-118-0002.0002	0.444
AR	RJ WHITE PROPERTIES	08-118-0002.0002	18.288
AS	WILLIAM G THOMAS	08-118-0002.0000	48.20

			
COMPANY:	BRIAN DYTKO OHI		
OPERATOR'S:	208H		
WELL #:			
DISTRICT:	OHIO	COUNTY:	STATE:
TRADITIONAL:	OHIO	COUNTY:	STATE:
DATE:	03-14-2019		
API NO:	47-089-00247		
DRAWN BY:	D. REED		
SCALE:	N/A		
DRAWING NO:	2017-300		
WELL LOCATION:	PLAT		



LATITUDE: 40°02'30" SURFACE HOLE

6971'

LATITUDE: 40°02'30" BOTTOM HOLE

4731'



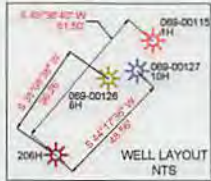
www.jhacompanies.com

88011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

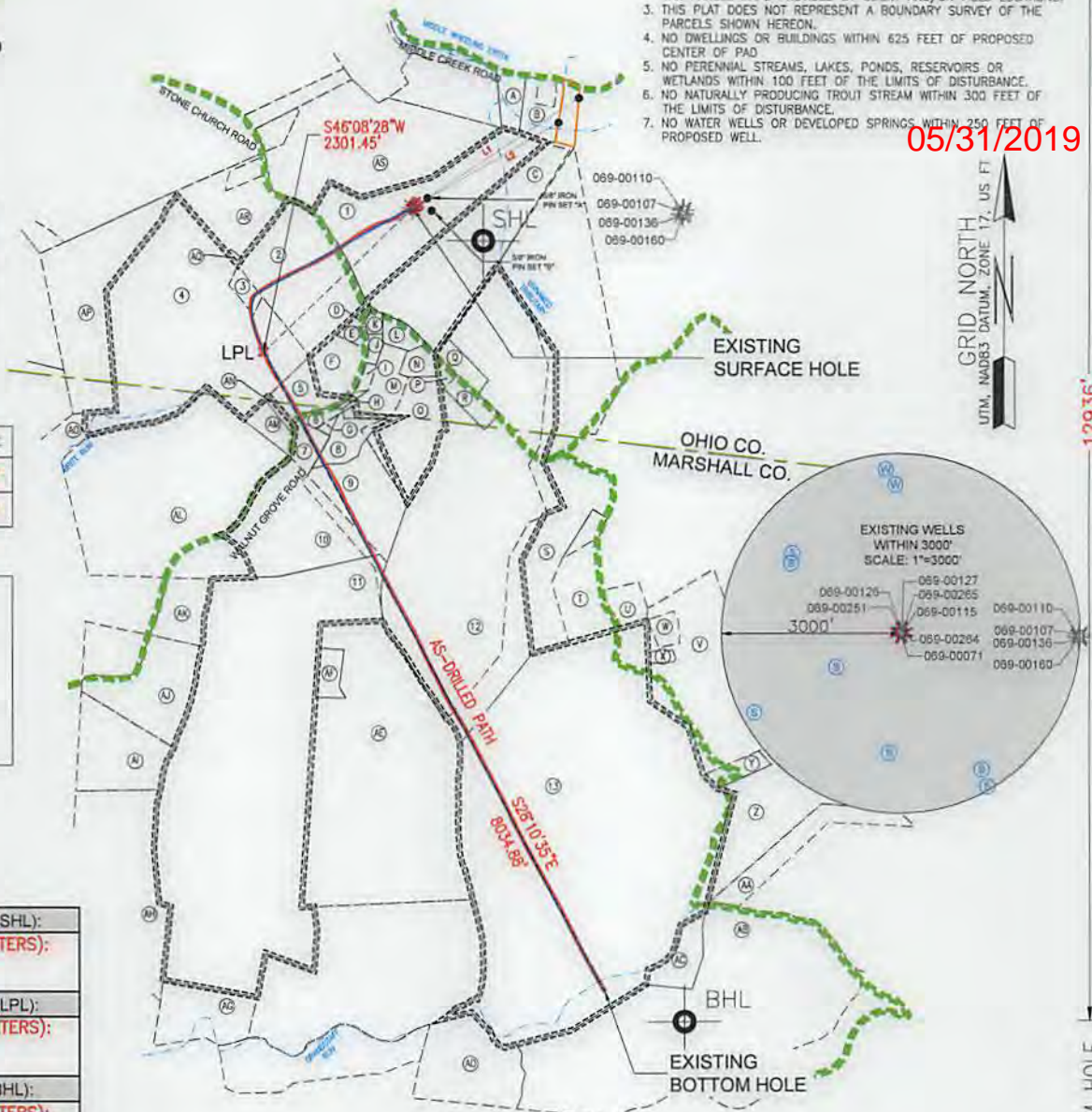
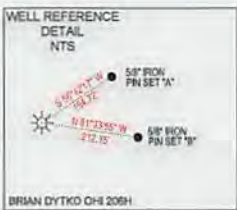
NOTES ON SURVEY

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.

05/31/2019



LINE	BEARING	DISTANCE
L1	S56°20'10"W	2218.26'
L2	S59°31'48"W	1881.66'



4283'

12936'

LONGITUDE: -80°35'00" SURFACE HOLE

LONGITUDE: -80°35'00" BOTTOM HOLE

<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4431153.98 EASTING: 533444.42
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4430659.72 EASTING: 532947.04
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4428521.29 EASTING: 534138.93
<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4431153.97 EASTING: 533444.47
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4430672.26 EASTING: 532944.74
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4428520.27 EASTING: 534135.40



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

COMPANY: **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 SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: BRIAN DYTOKO OHI 206H API WELL #: 47 069 00247 STATE COUNTY PERMIT
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WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW

WATERSHED: WHEELING CREEK ELEVATION: 1222.5'

DISTRICT: TRIADELPHIA COUNTY: OHIO QUADRANGLE: VALLEY GROVE, WV

SURFACE OWNER: BRIAN J. DYTKO ACREAGE: ±41.00

OIL & GAS ROYALTY OWNER: BRIAN J. DYTKO ACREAGE: ±41.00

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: 6,426' TVD 15,229' 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

<b>LEGEND:</b>	<b>REVISIONS:</b>	DATE: 03-14-2019
PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL: LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING	SURVEYED BOUNDARY LEASE BOUNDARY AS-DRILLED PATH PROPOSED PATH	API NO: 47-069-00247 DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2017-300 WELL LOCATION PLAT



WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	BRIAN J DYTKO (S)/(R)	06-T18-0004.0001	41.00
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	CHARLES D. FISCHER JR AND KAREN FISCHER, HUSBAND AND WIFE	06-T18-0004.0000	32.90
3	TIMOTHY LEE KERCHER AND GEORGETTA ELLEN KERCHER	06-T18-0002.0001	2.01
4	RL WHITE PROPERTIES,LLC	06-T18-0002.0000	89.82
5	PEARLE A. TAYLOR	12-2-21	5.00
6	EDWARD M. LAWRENCE AND AMANDA G. LAWRENCE, HIS WIFE	12-2-18	0.79
7	ROBERT T SEIDLER AND LISA M. SEIDLER, HIS WIFE	12-2-17	2.00
8	THERESA L BLATT	12-2-22	5.92
9	THERESA L BLATT	12-2-23	21.03
10	SCOTT U VELLENOWETH AND CHRISTINA S. VELLENOWETH, HUSBAND AND WIFE	12-2-1.1	25.36
11	JAMES P. LITMAN AND CAROLE J. LITMAN, HIS WIFE	12-2-10	166.26
12	THE BAIRD FAMILY TRUST	12-2-2	124.50
13	DON AND EDNA TUBAUGH, HUSBAND AND WIFE	12-2-5	215.25

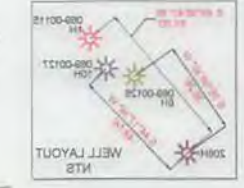
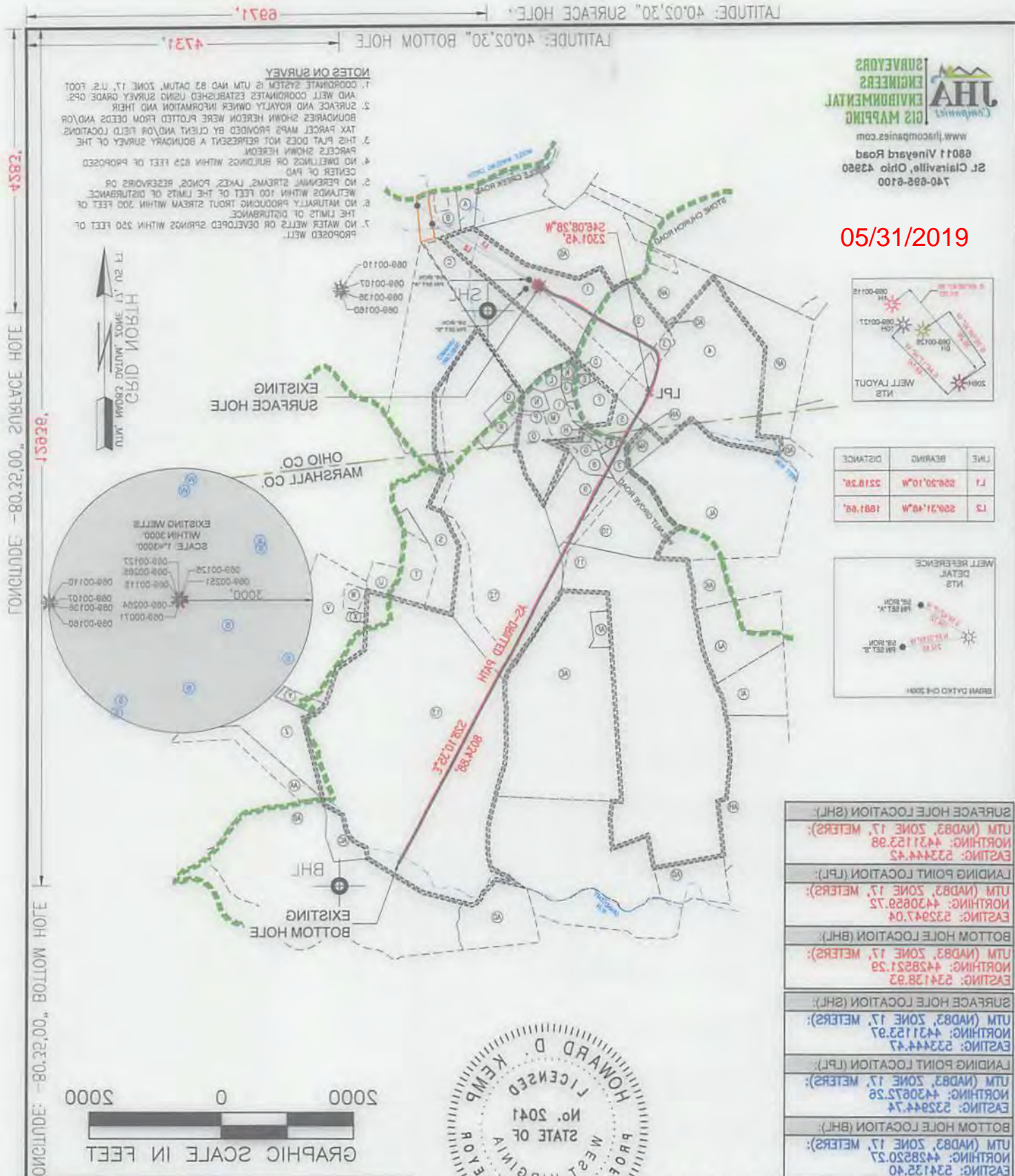
05/31/2019

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	ROBERT L JR & K S BOGARD	06-T13-0005.0007	4.07
B	ROBERT L JR & K S BOGARD	06-T13-0005.0005	4.72
C	THERESA L BLATT	06-T18-0017.0000	37.80
D	GREGORY W. GARDENER & J.F. GARDENER	06-T18-0025.0000	0.799
E	FRANCIS R. MALTESE JR	06-T18-0026.0000	1.00
F	D G & B A REINKE	06-T18-0005.0000	10.33
G	ANNETTE L LAWRENCE	12-2-22.1	0.39
H	GARY LEE EBBERT, JR.	06-T18-0021.0000	1.10
I	TREVOR P. AND GAIL S. NICKERSON	06-T18-0022.0000	1.208
J	CHARLES D. AND M.F. SPANGLER	06-T18-0023.0000	1.239
K	JOSEPH A. AND K.M. MUELLER	06-T18-0024.0001	1.00
L	MICHAEL W. AND BETH L. BITTINGER	06-T18-0024.0000	3.00
M	THERESA L. BLATT	06-T18-0020.0000	7.38
N	THERESA L. BLATT	06-T18-0018.0000	2.681
O	THERESA L. BLATT	06-T18-0019.0000	16.343
P	THERESA L BLATT	06-T18-0033.0000	0.89
Q	STANLEY SZYMALIS	06-T18-0034.0000	3.26
R	STEWART LEE & SHERRY MCCREARY	06-T18-0035.0000	3.00
S	BAIRD FAMILY TRUST	06-T18-0006.0000	86.469
T	DANIEL W & VICKI L MCFARLAND	12-2-24	11.87
U	DANIEL W MACFARLAND JR	12-2-4.1	2.31
V	RODNEY J HUNTER	12-3-14	44.89
W	PATRICK E. & VICKI JO KENNEDY	12-3-14.1	2.39
X	MARILYN DARLENE HUNTER	12-3-14.2	0.88
Y	BRIAN MATTHEW MCFARLAND	12-3-12.1	3.07
Z	DANIEL WILLIAM MCFARLAND	12-3-12	38.73
AA	DANIEL WILLIAM MCFARLAND	12-3-11.1	11.682
AB	SANDHILL LAND VENTURES LP	12-8-1	121.21
AC	PETER PARKER	12-2-6	6.19
AD	TDL&G LLC	12-2-8	93.44
AE	RICHARD S REINEKE	12-2-9	109.21
AF	JOHN W GREGORY ET UX	12-2-9.1	3.23
AG	G F P CORP	12-2-12	13.84
AH	CHESTER A GIZA ET UX	12-2-14	59.15
AI	WILLIAM F EDGE JR ET AL	12-2-15	17.28
AJ	WILLIAM F EDGE JR ET AL	12-2-16	22.25
AK	JAMES P. LITMAN ET UX	12-2-16.4	11.82
AL	JAMES P. LITMAN	12-2-1	91.64
AM	TONGMARK NOY SCHMIDT	12-2-19	2.90
AN	TONGMARK NOY SCHMIDT	12-2-20	0.553
AO	PATRICK J LENZ	12-1-14.1	15.74
AP	HAROLD R GARRETT III & C A GARRETT	06-T18-0001.0001	34.66
AQ	TIMOTHY LEE & G E KERCHER	06-T18-0003.0003	0.444
AR	R.L. WHITE PROPERTIES	06-T18-0003.0002	16.266
AS	WILLIAM G THOMS	06-T18-0003.0000	46.50

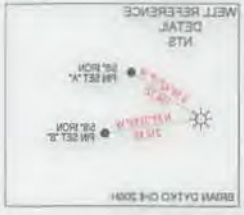
REVISIONS:	COMPANY:	 	
	OPERATOR'S	BRIAN DYTKO OHI	
	WELL #:	206H	
	DISTRICT:	COUNTY:	STATE:
	TRIADELPHIA	OHIO	WV
		DATE:	03-14-2019
		API NO:	47-069-00247
		DRAWN BY:	D. REED
		SCALE:	N/A
		DRAWING NO:	2017-300
		WELL LOCATION PLAT	



05/31/2019



LINE	BEARING	DISTANCE
L1	S08°50'10"W	2518.28'
L2	S00°31'48"W	1881.68'



LOCATION	EASTING	NORTHING	UTM (NAD83, ZONE 17, METERS)
SURFACE HOLE LOCATION (SHL)	523444.43	4431153.98	UTM (NAD83, ZONE 17, METERS)
BOTTOM HOLE LOCATION (BHL)	523294.74	4430827.28	UTM (NAD83, ZONE 17, METERS)
LANDING POINT LOCATION (LPL)	523294.74	4430827.28	UTM (NAD83, ZONE 17, METERS)
SURFACE HOLE LOCATION (SHL)	523444.43	4431153.97	UTM (NAD83, ZONE 17, METERS)
BOTTOM HOLE LOCATION (BHL)	523294.74	4430827.28	UTM (NAD83, ZONE 17, METERS)
LANDING POINT LOCATION (LPL)	523294.74	4430827.28	UTM (NAD83, ZONE 17, METERS)
SURFACE HOLE LOCATION (SHL)	523444.43	4431153.98	UTM (NAD83, ZONE 17, METERS)



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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 CONTROL.

COMPANY: **SWN** Production Company, LLC  
BRIAN DYTKO OH 206H

WDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	UNITED STATES TOPOGRAPHIC MAPS (+) DENOTES LOCATION OF WELL ON DEGREE OF ACCURACY: 1/500	OPERATOR'S WELL #: 206H	BRIAN DYTKO OH 206H
TARGET FORMATION: MARCELLUS CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) <b>A2-DRILLED</b> ESTIMATED DEPTH: <b>6456'</b> TVD <b>15259'</b> TMD	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"/>	SURFACE OWNER: BRIAN J. DYTKO OIL & GAS ROYALTY OWNER: BRIAN J. DYTKO	COUNTY: OHIO WATERSHED: WHEELING CREEK
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 DESIGNATED AGENT: BRITANNY WOODY	CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 DESIGNATED AGENT: BRITANNY WOODY	API WELL #: <b>47</b> STATE: OHIO COUNTY: PERMIT: <b>00247</b>	WELLS: 03-14-2018 API NO: 47-089-00247 DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2017-300 WELL LOCATION PLAN