

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

API 47-009-00237 County BROOKE District BUFFALO
Quad BETHANY Pad Name MIKE RYNIAWEC BRK PAD Field/Pool Name PANHANDLE FIELD WET
Farm name MIKE RYNIAWEC Well Number MIKE RYNIAWEC BRK 3H
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 4448997.45 Easting 533265.00
Landing Point of Curve Northing 4449298.84 Easting 533145.39
Bottom Hole Northing 4452287.49 Easting 532016.96

Elevation (ft) 1147.3 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 1/9/2018 Date drilling commenced 2/10/2018 Date drilling ceased 4/5/2018
Date completion activities began 6/15/2018 Date completion activities ceased 7/31/2018
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 346 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 645 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 342 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed

[Signature] 1.17.19

Reviewed by:
GB 1.17.19

API 47-009 - 00237 Farm name MIKE RYNIAWEC Well number MIKE RYNIAWEC BRK 3H

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	430	NEW	J-55/54.50#	269.7, 305.7	Y, 30 BBLs
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	1701	NEW	J-55/36#		Y, 18 BBLs
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	16917	NEW	HCP-110/20#		Y
Tubing		2.375	6208	NEW	P-110/4.7#		N
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	498	15.60	1.20	597.6	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	650	15.60	1.19	773.5	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	3,182	15.60	1.19	3,786.6	SURFACE	24
Tubing							

Drillers TD (ft) 16,917 Loggers TD (ft) 16,917
 Deepest formation penetrated MARCELLUS Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5175

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 _____

API 47- 009 - 00237

Farm name MIKE RYNIAWEC

Well number MIKE RYNIAWEC BRK 3H

PRODUCING FORMATION(S)	DEPTHS	
MARCELLUS	5,904	TVD 6,216 MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2604 psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas 2,458 mcfpd Oil 518 bpd NGL _____ bpd Water 912 bpd GAS MEASURED BY Estimated Orifice Pilot

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

Please insert additional pages as applicable.

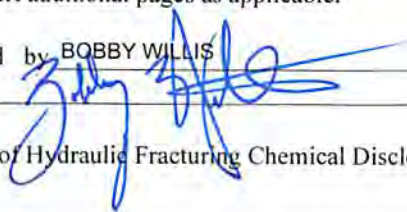
Drilling Contractor SWN DRILLING COMPANY
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

Logging Company WEATHERFORD
Address 2000 ST. JAMES PLACE City HOUSTON State TX Zip 77056

Cementing Company SCHLUMBERGER WELL SERVICES
Address 1080 US-33 City WESTON State WV Zip 26452

Stimulating Company HALLIBURTON ENERGY SERVICES
Address 1628 JACKSON MILL ROAD City JANE LEW State WV Zip 26378

Please insert additional pages as applicable.

Completed by BOBBY WILLIS Telephone 832-796-2884
Signature  Title REGULATORY ANALYST Date 10/18/2018

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

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	6/15/2018
Job End Date:	7/15/2018
State:	West Virginia
County:	Brooke
API Number:	47-009-00237-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Mike Ryniawec Brk 3H
Latitude:	40.19070945
Longitude:	-80.60920693
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,853
Total Base Water Volume (gal):	20,110,454
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
Fresh Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	81.48936	Density = 8.340
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.90113	

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EXCELERATE LX-1	Halliburton	Friction Reducer					
				Listed Below			
SAND-COMMON WHITE-100 MESH, SSA-2, BULK (100003676)	Halliburton	Proppant					
				Listed Below			
SCAL16486A	NALCO	Scale Inhibitor					
				Listed Below			
SAND-PREMIUM WHITE-40/70, BULK	Halliburton	Proppant					
				Listed Below			
BIOC11219A	NALCO	Biocide					
				Listed Below			
HYDROCHLORIC ACID	Halliburton	Solvent					
				Listed Below			
HAI-150E	Halliburton	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	17.55272	
			Hydrochloric acid	7647-01-0	15.00000	0.12858	

			Polyacrylate	Proprietary	30.00000	0.02195	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.02195	
			Fatty acid ester	Proprietary	5.00000	0.00732	
			Ethylene Glycol	107-21-1	30.00000	0.00648	
			Amine Triphosphate	Proprietary	30.00000	0.00648	Denise Tuck, Halliburton, 3000 N. Sam Houston Pkwy E., Houston, TX 77032, 281-871-6226
			Sodium chloride	7647-14-5	5.00000	0.00366	
			Ethoxylated fatty acid	Proprietary	5.00000	0.00366	
			Ammonium chloride	12125-02-9	5.00000	0.00366	
			Methanol	67-56-1	60.00000	0.00316	
			Benzyl-(C12-C16 Alkyl)- Dimethyl-Ammonium Chloride	68424-85-1	30.00000	0.00158	
			Non-hazardous food substance	Proprietary	100.00000	0.00065	
			Glutaraldehyde	111-30-8	10.00000	0.00053	

* 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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MIKE RYNIAWEC BRK 3H
ATTACHMENT 1
PERF REPORT

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	5/24/2018	16,828	16,735	36
2	6/16/2018	16,700	16,593	42
3	6/16/2018	16,560	16,453	42
4	6/16/2018	16,420	16,313	42
5	6/17/2018	16,280	16,176	42
6	6/17/2018	16,140	16,033	42
7	6/18/2018	16,000	15,893	42
8	6/18/2018	15,860	15,753	42
9	6/19/2018	15,720	15,613	42
10	6/19/2018	15,580	15,474	42
11	6/20/2018	15,440	15,333	42
12	6/20/2018	15,300	15,193	42
13	6/20/2018	15,160	15,053	42
14	6/21/2018	15,020	14,911	42
15	6/22/2018	14,880	14,773	42
16	6/22/2018	14,740	14,633	42
17	6/22/2018	14,600	14,493	42
18	6/23/2018	14,460	14,353	42
19	6/23/2018	14,320	14,213	42
20	6/23/2018	14,180	14,073	42
21	6/24/2018	14,040	13,933	42
22	6/24/2018	13,900	13,793	42
23	6/24/2018	13,760	13,653	42
24	6/25/2018	13,620	13,513	42
25	6/25/2018	13,480	13,373	42
26	6/25/2018	13,342	13,233	42
27	6/25/2018	13,200	13,093	42
28	6/26/2018	13,060	12,953	42
29	6/26/2018	12,920	12,813	42
30	6/27/2018	12,780	12,673	42
31	6/27/2018	12,640	12,533	42
32	6/28/2018	12,500	12,393	42
33	6/28/2018	12,360	12,253	42
34	6/29/2018	12,220	12,113	42
35	6/29/2018	12,080	11,973	42
36	6/30/2018	11,940	11,833	42
37	6/30/2018	11,801	11,693	42
38	6/30/2018	11,660	11,553	42
39	7/1/2018	11,520	11,413	42
40	7/1/2018	11,380	11,273	42
41	7/1/2018	11,240	11,136	42
42	7/2/2018	11,103	10,993	42
43	7/2/2018	10,960	10,853	42

**MIKE RYNIAWEC BRK 3H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
44	7/2/2018	10,820	10,713	42
45	7/3/2018	10,680	10,573	42
46	7/3/2018	10,540	10,433	42
47	7/4/2018	10,400	10,293	42
48	7/4/2018	10,260	10,153	42
49	7/4/2018	10,120	10,013	42
50	7/5/2018	9,980	9,873	42
51	7/6/2018	9,840	9,733	42
52	7/6/2018	9,700	9,593	42
53	7/7/2018	9,560	9,453	42
54	7/7/2018	9,420	9,313	42
55	7/7/2018	9,280	9,173	42
56	7/8/2018	9,140	9,033	42
57	7/8/2018	9,000	8,893	42
58	7/8/2018	8,860	8,753	42
59	7/9/2018	8,720	8,613	42
60	7/9/2018	8,580	8,473	42
61	7/9/2018	8,440	8,333	42
62	7/10/2018	8,300	8,193	42
63	7/10/2018	8,160	8,053	42
64	7/10/2018	8,020	7,913	42
65	7/10/2018	7,880	7,773	42

MIKE RYNIAWEC BRK 3H

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	6/15/2018	87	7,418	8,310	3,974	270,580	6,009	0
2	6/16/2018	99	8,006	5,806	4,085	497,800	8,040	0
3	6/16/2018	95	7,607	5,434	4,167	498,000	8,109	0
4	6/17/2018	92	7,718	5,835	4,787	448,510	7,433	0
5	6/17/2018	99	7,728	5,061	4,259	480,990	7,491	0
6	6/18/2018	84	7,050	5,371	4,110	488,960	10,734	0
7	6/18/2018	98	7,921	5,267	4,399	494,440	7,221	0
8	6/19/2018	98	7,821	5,322	4,156	500,520	7,889	0
9	6/19/2018	93	7,370	4,464	4,292	504,660	7,496	0
10	6/19/2018	98	7,928	5,321	4,306	485,780	7,057	0
11	6/20/2018	89	7,508	5,319	4,288	500,440	7,514	0
12	6/20/2018	98	7,832	6,627	4,166	498,460	7,163	0
13	6/21/2018	99	7,856	5,479	4,298	498,660	7,548	0
14	6/21/2018	97	7,994	5,076	4,342	486,150	7,134	0
15	6/22/2018	100	8,253	5,371	4,295	499,680	7,128	0
16	6/22/2018	97	7,891	5,666	4,373	484,580	6,832	0
17	6/22/2018	100	8,070	5,617	4,491	486,870	6,071	0
18	6/23/2018	68	8,419	5,404	4,224	10,050	3,619	0
19	6/23/2018	100	7,696	5,164	4,231	486,090	6,530	0
20	6/23/2018	99	7,633	5,407	4,291	483,740	6,759	0
21	6/24/2018	99	7,826	5,400	4,175	483,080	6,513	0
22	6/24/2018	99	7,902	5,430	4,449	484,660	6,448	0
23	6/24/2018	100	7,643	5,528	4,152	496,200	5,618	0
24	6/25/2018	100	7,760	5,761	4,270	483,280	6,020	0
25	6/25/2018	100	7,607	5,563	4,345	481,540	7,518	0
26	6/25/2018	100	7,335	5,625	4,415	495,900	5,648	0
27	6/26/2018	100	7,560	4,062	4,254	485,260	5,852	0
28	6/26/2018	99	7,553	3,966	4,549	480,400	5,763	0
29	6/26/2018	45	8,079	5,184	4,429	492,600	10,435	0
30	6/27/2018	89.9	7,344	5,186	3,553	490,920	7,608	0
31	6/28/2018	99.1	7,393	5,288	4,446	493,700	5,941	0
32	6/28/2018	96.2	7,187	5,325	4,424	433,690	7,258	0
33	6/29/2018	97.9	7,446	5,553	4,325	494,180	6,435	0
34	6/29/2018	93.9	7,596	5,535	4,286	497,300	5,712	0
35	6/30/2018	99.3	7,748	5,367	4,428	499,260	5,557	0
36	6/30/2018	100.3	7,495	5,560	4,396	492,020	6,419	0
37	6/30/2018	99.6	7,193	5,507	4,685	486,460	5,263	0
38	7/1/2018	98.5	7,565	5,538	4,329	495,520	5,456	0
39	7/1/2018	98	7,325	5,398	4,591	489,780	6,139	0
40	7/1/2018	99.9	7,251	5,526	4,380	494,080	5,209	0
41	7/1/2018	98.6	7,104	5,471	4,455	490,240	5,075	0
42	7/2/2018	99.1	7,104	5,629	4,673	493,200	6,054	0
43	7/2/2018	99.5	7,604	5,473	4,755	499,520	6,094	0
44	7/3/2018	100.1	7,144	5,715	4,344	499,620	6,436	0
45	7/3/2018	100.1	7,565	5,803	4,397	498,400	5,348	0
46	7/4/2018	100.4	7,173	5,458	4,604	490,240	5,247	0
47	7/4/2018	100.5	7,614	5,390	4,396	497,960	6,119	0
48	7/4/2018	97.9	7,643	5,404	4,320	492,720	6,382	0
49	7/5/2018	99.9	7,445	5,608	4,442	492,980	6,854	0
50	7/5/2018	100	7,062	5,320	4,651	487,760	6,487	0
51	7/6/2018	101	7,221	5,484	4,256	493,200	6,025	0
52	7/7/2018	95.96	7,596	5,572	4,624	485,720	6,385	0
53	7/7/2018	101	6,911	5,040	4,421	487,840	5,960	0

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ATTACHMENT 2

STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
54	7/7/2018	99.6	6,846	5,511	4,519	484,820	5,798	0
55	7/8/2018	93.8	6,994	5,009	4,274	495,700	5,900	0
56	7/8/2018	100.6	7,071	5,717	4,630	485,520	6,115	0
57	7/8/2018	100.4	6,841	5,514	4,262	481,460	6,059	0
58	7/9/2018	100.3	6,888	5,405	4,306	493,820	5,572	0
59	7/9/2018	99.4	6,769	5,625	4,479	492,640	5,892	0
60	7/9/2018	100.6	6,949	5,399	4,457	499,680	6,477	0
61	7/9/2018	100.7	6,873	5,608	4,435	495,316	5,672	0
62	7/10/2018	100.9	6,798	5,142	4,416	498,680	5,910	0
63	7/10/2018	100.7	7,019	5,823	4,592	499,840	6,060	0
64	7/10/2018	99.5	6,940	5,543	4,636	491,580	5,423	0
65	7/11/2018	98.2	6,973	5,655	4,506	487,620	5,543	0

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Well Name: MIKE RYNIAWEC BRK 3H

47009002370000

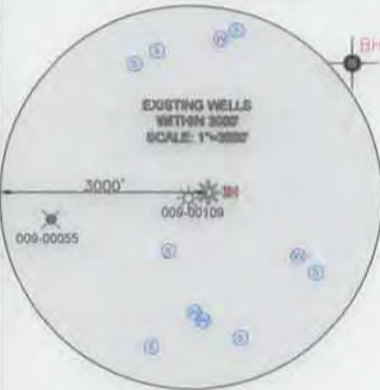
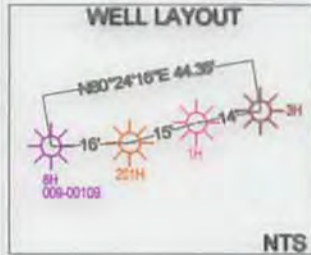
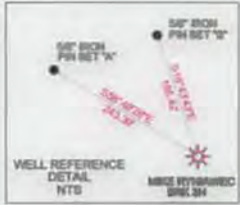
LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	346.00	346.00	
Top of Salt Water	645.00	645.00	NA	NA	
Pittsburgh Coal	342.00	342.00	348.00	348.00	
Big Injun (ss)	1505.00	1505.00	1933.00	1933.00	
Berea (siltstone)	1933.00	1933.00	5402.00	5402.00	
Rhinestreet (shale)	5402.00	5402.00	5759.00	5544.00	
Cashaqua (shale)	5848.00	5615.00	5917.00	5665.00	
Middlesex (shale)	5739.00	5667.00	5830.00	5729.00	
Burket (shale)	5830.00	5729.00	5852.00	5743.00	
Tully (ls)	5852.00	5743.00	5945.00	5799.00	
Mahantango (shale)	5945.00	5799.00	6216.00	5904.00	
Marcellus (shale)	6216.00	5904.00	NA	NA	GAS

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www.jhacompanies.com
68611 Vineyard Road
St. Clairsville, Ohio 43086
740-695-8100

LINE	BEARING	DISTANCE
L1	N06°53'22"W	1814.30'
L2	S12°11'51"W	1902.30'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4448997.45 EASTING: 533265.00
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4449298.84 EASTING: 533145.39
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452287.49 EASTING: 532016.96

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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP
OFFICE OF OIL & GAS
601 57TH STREET
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200

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

COMPANY: **SWN** Production Company, LLC

MIKE RYNIWEC BRK
OPERATOR'S WELL #: 3H
API WELL #: 47 STATE 009 COUNTY 00237 PERMIT

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

WATERSHED: UPPER OHIO SOUTH DISTRICT: BUFFALO COUNTY: BROOKE ELEVATION: 1147.3'

SURFACE OWNER: MIKE RYNIWEC OIL & GAS ROYALTY OWNER: MIKE RYNIWEC QUADRANGLE: BETHANY, WV ACREAGE: ±102.0 ACREAGE: ±102.0

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: 5,927' TVD 16,917.0' TMD

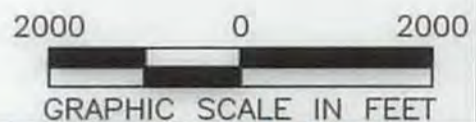
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378

DESIGNATED AGENT: BRITTANY WOODY ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION ⊙ EXISTING WATER WELL ⊕ EXISTING SPRING	REVISIONS:	DATE: 10-10-2018
○ SURVEYED BOUNDARY ===== LEASE BOUNDARY - - - - - ASDRILLED PATH - - - - - PROPOSED PATH		DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2017-220 WELL LOCATION PLAT

- 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.

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4448997.65 EASTING: 533265.03
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4449222.14 EASTING: 533178.85
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452285.93 EASTING: 532016.30




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

Longitude: -80°35'00" SURFACE HOLE
Longitude: -80°35'00" BOTTOM HOLE

<ul style="list-style-type: none"> EXISTING 2BWH EXISTING WATER METT ГБГ* ГИДИНГ БОИЛ ГОСУДИОН EXISTING \ БРОССЕТ/2ММ/5013-330 БРОССЕТ/2ММ/5013-330 	<ul style="list-style-type: none"> БРОССЕТ/2ММ/5013-330 У2-ДЫГТЕД БУИН ГЕУСЕ ВОЛНУМА ЗУБАЛЕД ВОЛНУМА 	МЕТТ ГОСУДИОН БУГЛ БУИНАМЕС ИД: 5013-330 СКАЛЕ: 1" = 3000' БУИНАМЕС БУК: D' BEED ДАТЕ: 10-10-2018
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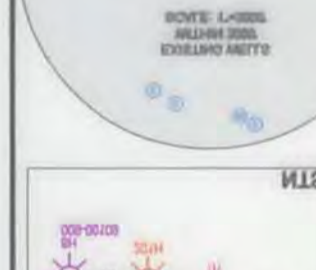
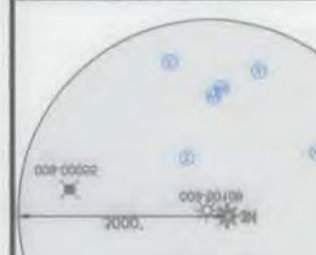
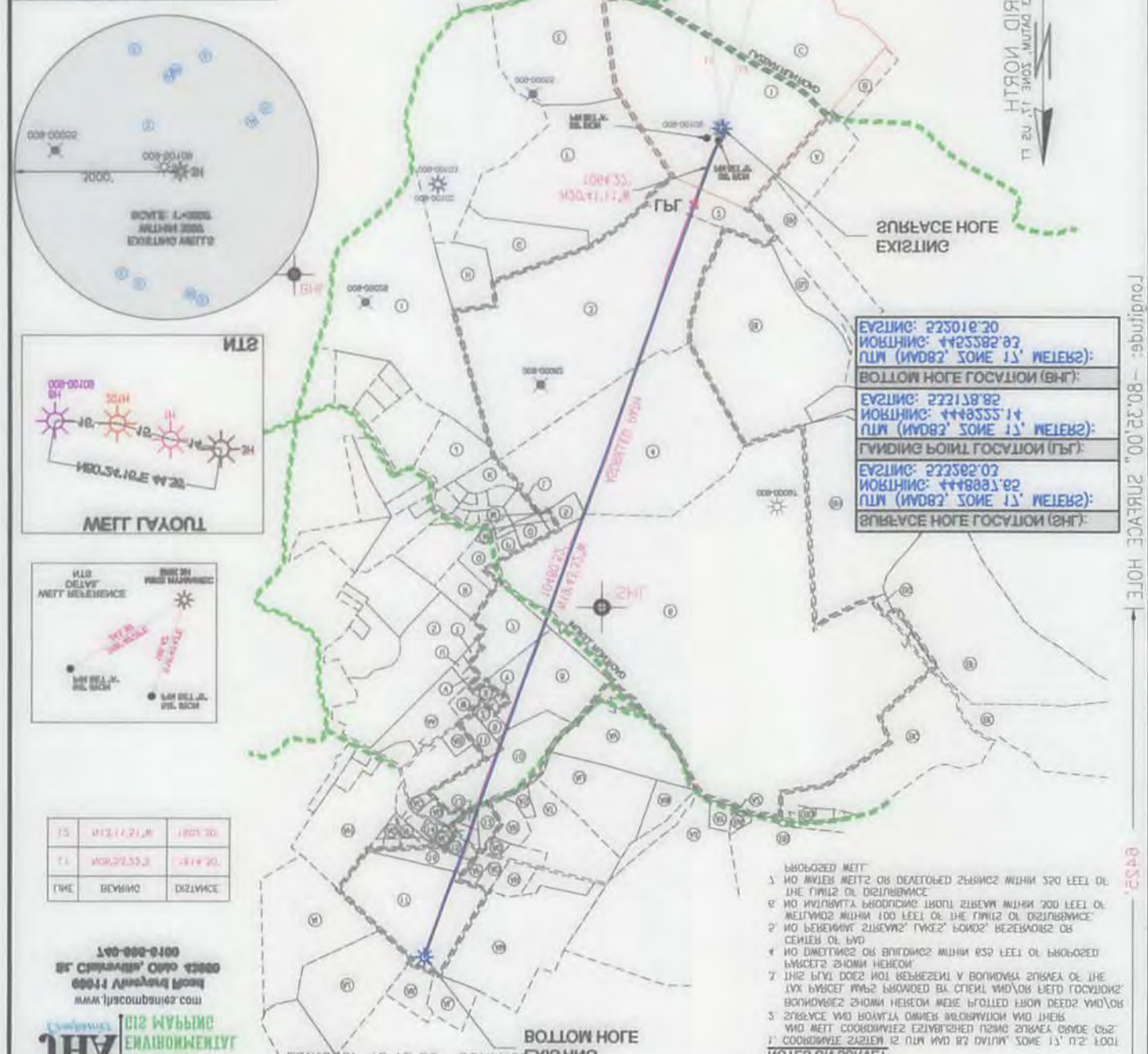
СЛА: "ИМЕ ГЕМ" ДАТЕ: МА СИБ CODE: 30238 СЛА: "ИМЕ ГЕМ" ДАТЕ: МА СИБ CODE: 30238
 ADDRESS: B'O' BOX 1300 ADDRESS: B'O' BOX 1300
 METT OPERATOR: 2MM БРОССЕТ/2ММ/5013-330 DESIGNATED AGENT: БУИНАМЕС БУК

ИВУСЕТ КОМПАНИОН: ИВУСЕТ/2ММ/5013-330 ESTABLISHED DEPTH: 2'833, LAD 10'873, LMD
 КОМПАНИОН БУИНАМЕС ИВУСЕТ/2ММ/5013-330 OTHER CHARGE X (2BWH) U2-DYGTED
 ДЫГТ ДЫГТ ДИРЕКТОР БИДИНГ БУИНАМЕС БУК БУИНАМЕС БУК
 ОИГ ОУ СУ2 БОУАГЛА ОММЕР: МИКЕ БУИНАМЕС УСБЕУСЕ: 7105'0
 СУБЕУСЕ ОММЕР: МИКЕ БУИНАМЕС УСБЕУСЕ: 7105'0
 ДИСТРИКТ: БУИНАМЕС КОМПАНИОН: БУИНАМЕС ОУБЛУДИНГЕ: БУИНАМЕС МА
 ИВУСЕТ/2ММ/5013-330 ДАТЕ: МА СИБ CODE: 30238 ЕЛЕУАТИОН: 11433'
 МЕТТ ДАТЕ: ОИГ ИВУСЕТ/2ММ/5013-330 БРОССЕТ/2ММ/5013-330 ДИРЕКТОР СУ2 ГОДИНГ ИВУСЕТ/2ММ/5013-330 ДАТЕ: МА СИБ CODE: 30238

 ЧАРГЕСТОН, МА 30238 801 211Н ДИРЕКТОР ОФИСЕ ОУ ОИГ ОУ СУ2 МАДЕР ИВУСЕТ/2ММ/5013-330 (+) ДИРЕКТОР ГОСУДИОН ОУ МЕТТ ОИГ	ЕЛЕУАТИОН: (ИВУСЕТ/2ММ/5013-330) ГОСУДИОН ОУ СУ2 БУИНАМЕС УСБЕУСА: 1\300 ДИРЕКТОР ОУ МИНИМУМ	МЕТТ ДАТЕ: 10 КОМПАНИОН: 008 БУИНАМЕС БУК: 00531 ОУБЛУДИНГЕ: 2Н МИКЕ БУИНАМЕС БУК
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ИВУСЕТ/2ММ/5013-330 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
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ИВУСЕТ/2ММ/5013-330 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
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 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330



13	112,117.8	1807.30
11	108,272.53	1814.90
ГЛУБИНА	БЕИДИНГ	ДИСТАНЦИЯ

ИВУСЕТ/2ММ/5013-330 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330

ИВУСЕТ/2ММ/5013-330 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
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 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330
 КОМПАНИОН: БУИНАМЕС ИВУСЕТ/2ММ/5013-330

REVISIONS:

COMPANY:



OPERATOR'S	MIKE RYNAWEC BRK	WELL #:	3H
DISTRICT:	BUFFALO	COUNTY:	BROOKE
STATE:	WV	DATE:	10-10-2018
DRAWN BY:	D. REED	SCALE:	N/A
DRAWING NO:	2017-220	WELL LOCATION PLAT	

PROPERTY NUMBER 2501166347
 PAD ID 3001155610

TRACT	TAX PARCEL	ACRES	SURFACE OWNER	ADJOINING OWNERS TABLE
	03-842-0064.0000	12.50	RYNEN O. SMITH & GINA L. SMITH (SURV.)	
B	03-842-0035.0000	5.00	DOUGLAS L. TURNER & BEYONIA TURNER	
C	03-842-0034.0000	61.17	MIKE RYNAWEC	
D	03-842-0019.0000	117.66	JOSEPH S. BURKE & JANE M. BURKE	
E	03-842-0018.0000	52.00	ELIZABETH ELLEN FLUHRERTY	
F	03-842-0028.0000	76.13	LUTHER GRIZZEL	
G	03-842-0031.0000	18.87	LUTHER GRIZZEL	
H	03-842-0030.0000	10.48	LUTHER GRIZZEL	
I	03-841-0090.0000	291.95	JAY GLEN COLLINS	
J	03-842-0071.0000	12.50	FRANK G. ANSCOUGH & HILLY L. ANSCOUGH	
K	03-842-0020.0000	4.51	RICHARD HAROLD KENNY & JOY LYNN KENNY (SURV.)	
L	03-842-0019.0001	0.08	BRUCE & DWILENE HENNING	
M	03-842-0017.0000	0.04	EDWARD E. CONLEY & NANCY J. CONLEY	
N	03-842-0016.0000	0.74	EDWARD E. CONLEY & NANCY J. CONLEY	
O	03-842-0015.0000	3.10	EDWARD E. CONLEY & NANCY J. CONLEY	
P	03-842-0026.0000	1.87	DANIEL R. COBB	
Q	03-842-0003.0000	5.00	DANIEL R. COBB	
R	03-842-0002.0000	6.88	ROD EDWARDS PATTERSON JR.	
S	03-836-0124.0000	34.11	DALE V. HOPKINS	
T	03-837-0125.0000	1.14	MICHAEL OWEN MADNESS	
U	03-837-0127.0000	1.00	DWANA ANKICH	
V	03-837-0126.0000	0.87	DWANA ANKICH	
W	03-837-0128.0000	1.99	WINDSOR POWER HOUSE CON. CO.	
X	03-837-0124.0000	1.00	VERNON SMITH	
Y	03-837-0123.0000	0.52	LETHA SMITH JOHNSON & MAURY JOHNSON (SURV.)	
Z	03-837-0122.0000	0.48	LETHA SMITH & MAURY JOHNSON (SURV.)	
AA	03-837-0119.0000	23.62	DALE V. HOPKINS & DANA M. HOPKINS (SURV.)	
AB	03-837-0119.0001	1.95	CURTIS JOHN MILLER	
AC	03-837-0118.0001	1.00	WILLIAM D. EMERY JR. & MARCIA L. EMERY (SURV.)	
AD	03-837-0118.0000	2.03	BURT E. HUNT & LOS M. HUNT	
AE	03-837-0115.0000	1.07	ROBERT LAFRANCE	
AF	03-837-0116.0000	1.98	JOHN JOSEPH HUFF & CHRISTINE L. HUFF	
AG	03-836-0125.0000	29.47	JOHN A. CATULO	
AH	03-836-0127.0000	38.50	JOHN A. CATULO	
AI	03-836-0156.0000	13.53	TAMARCO CUMBO, EMMA M.; ANTONIO (SURV.)	
AJ	03-837-0030.0000	6.73	CLYDE E. BECKETT & KATHRYN J. BECKETT	
AK	03-837-0029.0000	6.79	RALPH WALTON JR. & CYNTHIA L. WALTON	
AL	03-837-0103.0000	36.92	WYCKE C. LOUGHERY & SHEENA R. LOUGHERY (SURV.)	
AM	03-837-0105.0000	3.89	SMITH HEIRS	
AN	03-837-0107.0000	2.00	ROY HUFF & VIRGINIA C. HUFF (SURV.)	
AO	03-837-0106.0000	2.00	GEORGE M. LEWIS & JUDY A. LEWIS	
AP	03-837-0101.0000	1.10	GEORGE D. BARR & PEARL L. BARR (SURV.)	
AQ	03-837-0098.0000	5.18	MICHAEL V. KOENIG	
AR	03-837-0097.0000	1.56	WYNNE A. RICHMOND & ROMA RICHMOND	
AS	03-837-0098.0000	19.67	WYNNE ALLEN RICHMOND	
AT	03-837-0095.0000	26.55	ALLEN SMITH, MICHAEL, JOHN, NICHOLSON ELM.	
AV	03-837-0094.0000	24.20	CHRISTOPHER SCOTT MILLER	
AW	03-837-0093.0000	5.91	KEVIN CHAMBERLAIN	
AX	03-837-0091.0000	53.93	DEBRA F. CYBERT, MATTHEW FAIR ET AL.	
AY	03-837-0090.0000	2.04	ROBERT BONE	
AZ	03-837-0089.0001	0.17	ROBERT BONE	
BA	03-837-0089.0000	0.78	ROBERT BONE	
BB	03-837-0088.0000	58.95	DEBRA F. CYBERT, MATTHEW FAIR ET AL.	
BC	03-837-0077.0000	43.75	BRYAN K. HANEY & GINA M. HANEY (SURV.)	
BD	03-837-0072.0000	0.83	CARL R. CLARK & SANDRA S. CLARK (SURV.)	
BE	03-837-0068.0000	65.00	LPS INVESTMENT PARTNERSHIP	
BF	03-837-0076.0000	66.00	ELLEN B. SARGENT	
BG	03-842-0049.0000	0.83	EDGAR S. ECKMAN & CECILIA M. ECKMAN	
BH	03-842-0060.0002	65.47	JAMES HAZLETT & JO ELLER HAZLETT (SURV.)	
BI	03-842-0052.0000	91.51	PHILIP P. MARBER	
BJ	03-842-0053.0000	5.80	WINDSOR POWER HOUSE CON. CO.	
BK	03-842-0055.0000	21.00	WINDSOR POWER HOUSE CON. CO.	

TRACT	TAX PARCEL	ACRES	SURFACE OWNER	ADJOINING OWNERS TABLE
1	03-842-0033.0000	102.00	RYNAWEC MIKE (S)/(H)	
2	03-842-0054.0000	4.64	CARL THOMAS BOWSER ET AL.	
3	03-842-0032.0000	140.52	HENRY HENNING	
4	03-842-0019.0000	104.56	BOCCO BOWL	
5	03-842-0018.0000	2.14	RICKY CONLEY & DEBRA CONLEY	
6	03-837-0087.0000	317.23	LINDA HEERS GREATHOUSE AND VIKKI LYNN HAMILTON	
7	03-842-0001.0000	18.12	EVELYN BLAKE, ET AL.	
8	03-837-0130.0000	27.35	VICTOR CHARLES SMITH	
9	03-837-0121.0000	1.00	VICTOR CHARLES SMITH	
10	03-837-0129.0000	22.52	BRONDA S. BALEY, REBA L. CALDWELL, LEONARD SMALLEY, ROSEMARY K. WOODRUM, & THOMAS ALLEN WOODRUM	
11	03-837-0120.0000	1.00	VICTOR CHARLES SMITH	
12	03-837-0099.0000	2.89	MARSHALL M. SMITH, ALISON MEDIA	
13	03-837-0100.0001	0.96	LUTHER WILLIAMS	
14	03-837-0100.0000	1.35	MARY HANLEY	
15	03-837-0108.0000	2.00	BURT E. HUNT & LOS M. HUNT	
16	03-837-0041.0001	5.56	GEORGE M. LEWIS & JUDY A. LEWIS	
17	03-837-0041.0000	41.00	WYCKE C. LOUGHERY & SHEENA R. LOUGHERY	

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS

	ВРЕЉНО ДИЗИЈА:	ВООКЕ СОПЛА:	М ДИЈА:	МЕТ ГОСУДИОН БГЛ БРАНИС ИО: 2013-530 ЗСУТЕ: И\У БРАНИ ВЛ: D' BEED ДАТЕ: 10-10-2018
	МЕТ #:	3Н		
	ОБЕВУЛОЗ:	НИКЕ БАНИАМЕС ВРК		
		Προductive Company LLC ΣΜΠ		Προductive Company LLC ΣΜΠ
ΒΕΛΓΙΟΜΣ:	СОМБИЛ:			

01	ANDREW BONES HOUSE COM CO	02-045-00220000	5100
02	ANDREW BONES HOUSE COM CO	02-045-00220000	280
03	BRUCE H. BARKER	02-045-00250000	8121
04	THOMAS HANSELL F. TO STEVE HANSELL (2018)	02-045-00800000	8243
05	EDWIN Z. BROWN F. CECILY W. BROWN	02-045-00490000	092
06	ETHEL B. SWELAND	02-021-00380000	8800
07	ГЪД МАКЦИМЪЛЪ ИМАНИОНЪ	02-021-00880000	8200
08	СЪБЪ БЪ СЪБЪКЪ ФЪ ЗИМЪНЪ ЗЪ СЪБЪКЪ (2018)	02-021-00880000	092
09	BRUCE K. HAMEL F. CAROL W. HAMEL (2018)	02-021-00330000	4232
10	DERBY E. CASHEN F. WILHELM LUIS EL W.	02-021-00880000	2882
11	ROBERT BONE	02-021-00880000	038
12	ROBERT BONE	02-021-00880000	013
13	ROBERT BONE	02-021-00880000	304
14	DERBY E. CASHEN F. WILHELM LUIS EL W.	02-021-00880000	8782
15	KEVIN SCHWEL	02-021-00820000	281
16	CHRISTOPHER SCOTT MITCHELL	02-021-00840000	5430
17	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-00820000	5822
18	WALTER SCHWEL	02-021-00820000	1883
19	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-00820000	129
20	RICHARD A. KOSKIN	02-021-00880000	218
21	GEORGE D. FERD F. WOLA F. FERD (2018)	02-021-01010000	110
22	GEORGE W. FERD F. WOLA F. FERD	02-021-01010000	300
23	BOB HILL F. ANDREW C. HILL (2018)	02-021-01080000	500
24	WALTER HERR	02-021-01020000	288
25	ALICE C. GOLDBERG F. ZELMA H. GOLDBERG (2018)	02-021-01020000	2825
26	WALTER MITCHELL F. SUE T. MITCHELL	02-021-00240000	818
27	CLAUDE E. BECKEL F. KATHLEEN T. BECKEL	02-021-00220000	813
28	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01280000	2222
29	JOHN V. CULFITO	02-021-01230000	2820
30	HERBERT C. NEWER F. W. WALLY H. NEWER (2018)	02-021-01270000	2843
31	JOHN JOSEPH HILL F. CHRISTINE C. HILL	02-021-01180000	108
32	ROBERT G. WILSON	02-021-01120000	103
33	BRUCE E. HAMEL F. CAROL W. HAMEL	02-021-01080000	108
34	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	302
35	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
36	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
37	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
38	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
39	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
40	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
41	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
42	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
43	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
44	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
45	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
46	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
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51	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
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56	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
57	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
58	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
59	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
60	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
61	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
62	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
63	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
64	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
65	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
66	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
67	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
68	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
69	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
70	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
71	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
72	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
73	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
74	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
75	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
76	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
77	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
78	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
79	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
80	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
81	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
82	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
83	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
84	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
85	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
86	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
87	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
88	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
89	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
90	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
91	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
92	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
93	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
94	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
95	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
96	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
97	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
98	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
99	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100
100	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01180000	100

11	ALICE C. GOLDBERG F. ZELMA H. GOLDBERG	02-021-00410000	4100
12	GEORGE W. FERD F. WOLA F. FERD	02-021-00410000	228
13	BRUCE E. HAMEL F. CAROL W. HAMEL	02-021-01080000	300
14	WALTER SCHWEL	02-021-01080000	122
15	WALTER SCHWEL	02-021-01080000	088
16	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-00880000	388
17	ALICE SCHWEL	02-021-01580000	300
18	ROBERT F. WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-01580000	5525
19	ALICE SCHWEL	02-021-01580000	100
20	ALICE SCHWEL	02-021-01200000	3322
21	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-045-00010000	1823
22	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-021-00880000	2133
23	ROBERT SCHWEL F. DEBRA SCHWEL	02-045-00180000	514
24	ROBERT SCHWEL	02-045-00180000	10428
25	WALTER SCHWEL	02-045-00230000	14023
26	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-045-00240000	484
27	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-045-00220000	10300
28	WALTER SCHWEL F. ROBERT SCHWEL (2018)	02-045-00220000	10300

МЕТ ВОБЕ ТАБЕ FOR БУКЕТНА РОУАТЛА ОММЕРС

WELL OPERATOR: SMN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: MIKE RYNAWEC BRK	
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378		COUNTY - CODE BROOKE - 009	
SURFACE OWNER: MIKE RYNAWEC		USGS 7 1/2 QUADRANGLE MAP NAME: BETHANY, WV	
		DISTRICT: BUFFALO	WELL # 3H
			SERIAL # XXXX

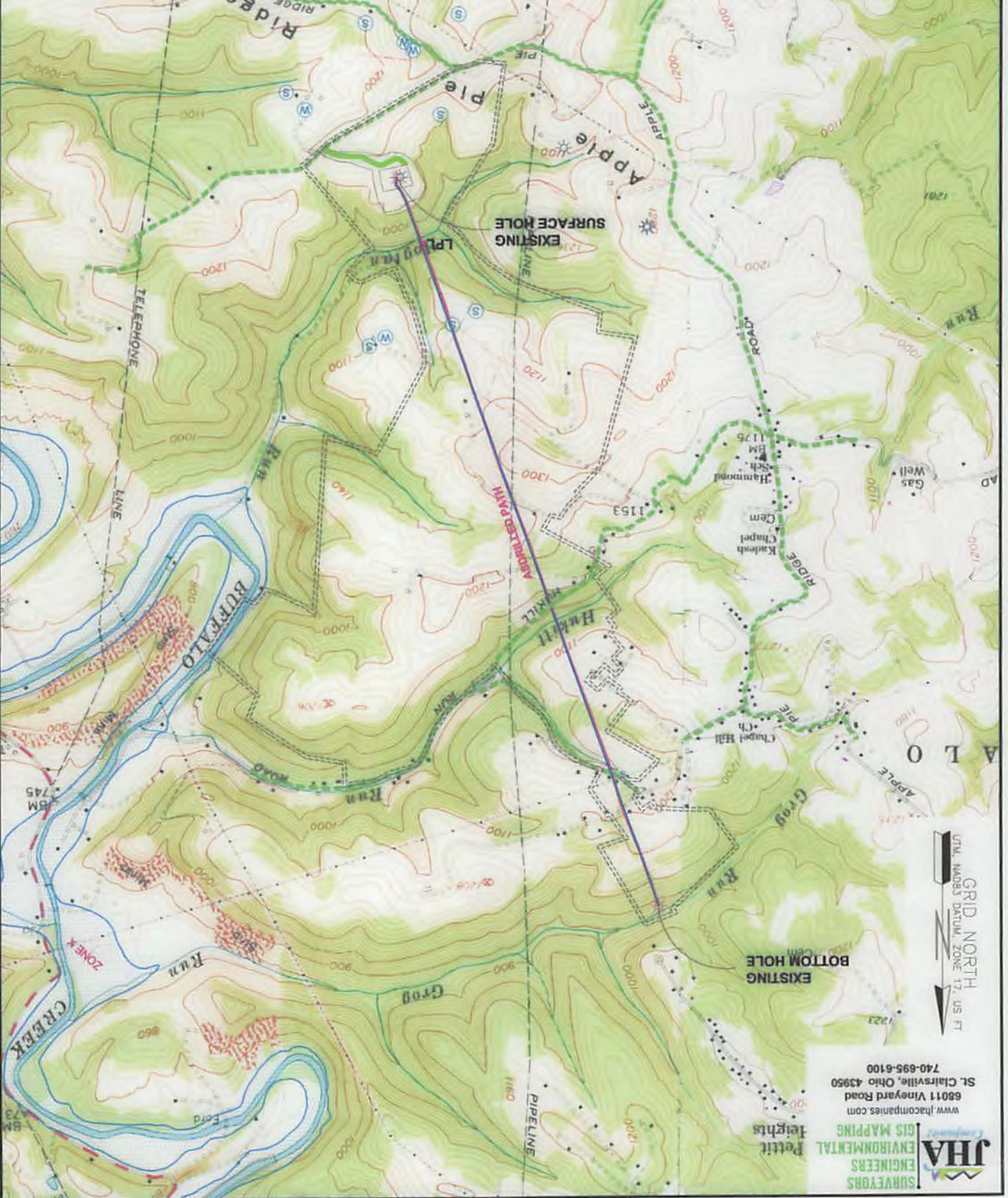
NOTES ON SURVEY
 1. SURFACE AND OWNERS INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
 2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

ACCESS ROAD	PROPOSED SURFACE HOLE / BOTTOM HOLE	EXISTING / PRODUCING WELLS	L.P.L. * LANDING POINT LOCATION	FLOOD PLAN
ACCESS ROAD TO PREV. SITE				
PUBLIC ROAD				
LEASE BOUNDARY				
PROPOSED PATH				
ASDRILLED PATH				

LEGEND:
 ACCESS ROAD
 ACCESS ROAD TO PREV. SITE
 PUBLIC ROAD
 LEASE BOUNDARY
 PROPOSED PATH
 ASDRILLED PATH
 FLOOD PLAN

GRAPHIC SCALE IN FEET
 0 2000 2000

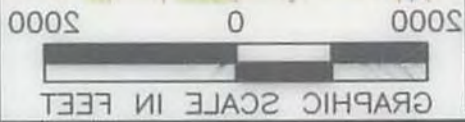
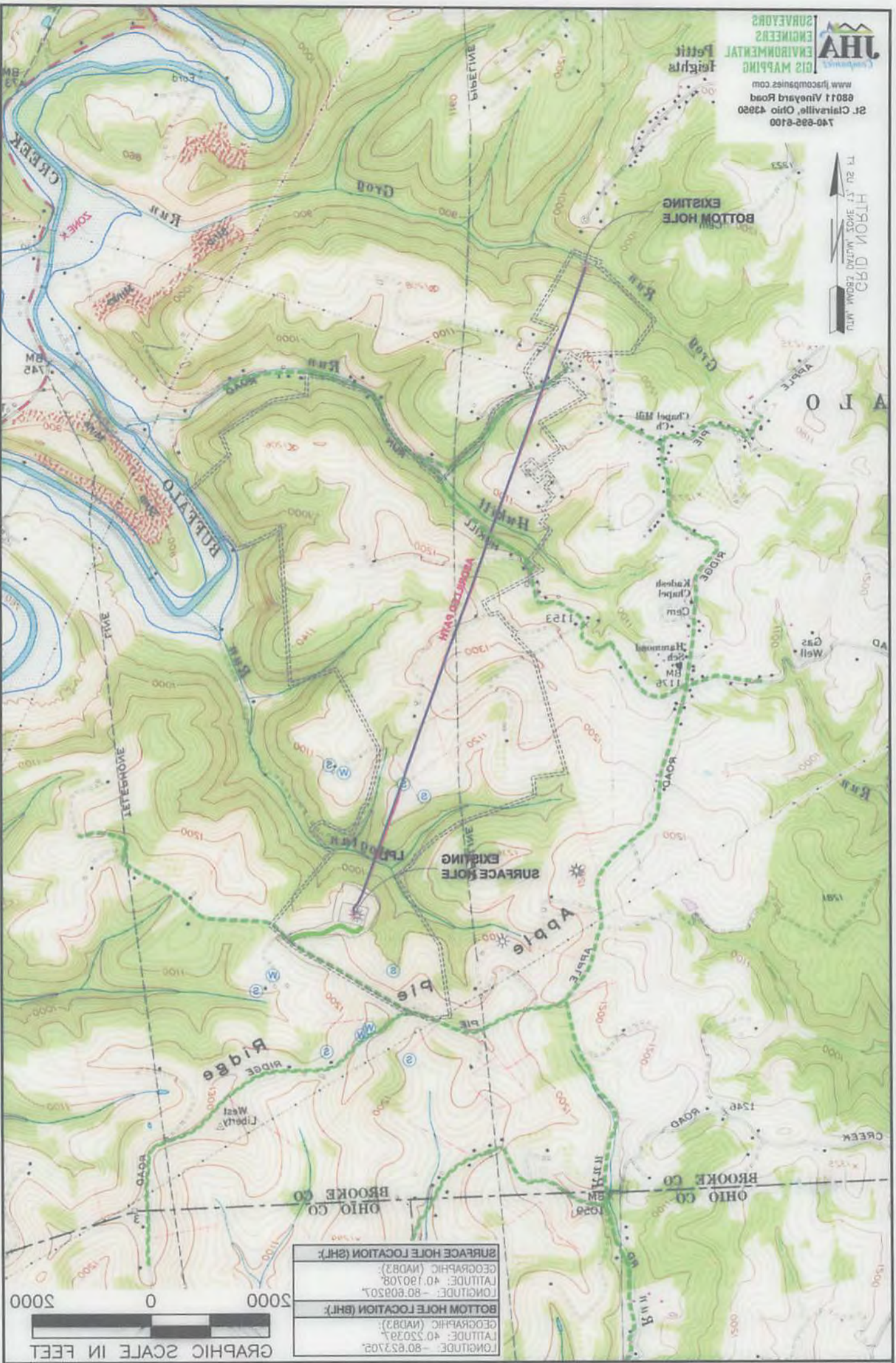
SURFACE HOLE LOCATION (SHL): GEOGRAPHIC (NAD83): LATITUDE: 40.190708 LONGITUDE: -80.609207	BOTTOM HOLE LOCATION (BHL): GEOGRAPHIC (NAD83): LATITUDE: 40.220397 LONGITUDE: -80.623705
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www.jhacompanies.com
8801 Vineyard Road
St. Clairsville, Ohio 43980
740-992-6100

GRID NORTH
1.25 INCHES
1.25 INCHES
1.25 INCHES



SURFACE HOLE LOCATION (SHT):
GEOGRAPHIC (NAD83):
LATITUDE: 40.180708
LONGITUDE: -80.808202
BOTTOM HOLE LOCATION (BHT):
GEOGRAPHIC (NAD83):
LATITUDE: 40.220292
LONGITUDE: -80.823202

LEGEND:

- ACCESS ROAD
- PUBLIC ROAD
- PROPOSED SURFACE HOLE \ BOTTOM HOLE
- EXISTING \ PRODUCING WELLS
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- AGRICULTED PATH
- FLOOD PLAIN
- LPL * LANDING POINT LOCATION
- WELL # XXXX

WELL OPERATOR:	SWM PRODUCTION COMPANY, LLC
ADDRESS:	P.O. BOX 1300 JANE LEW, WV 26328
SURFACE OWNER:	MIKE RYNIWEC
USGS 7 1/2 QUADRANGLE MAP NAME:	BETHANY, WV
COUNTY - CODE	BROOKE - 009
DISTRICT:	BUFFALO
WELL #	3H XXXX
WELL SERIAL #	XXXX

THURSDAY OCTOBER 11 2018 11:28AM
PROJECTS/SWM/2017-220 SWM - MIKE RYNIWEC PWD/CDD/PATZ/2H/2-DRILLED/MIKE RYNIWEC BRK 3H MYLR.DWG
PROPERTY NUMBER 250116247
PBD ID 200112610