

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

API 47 - 009 - 00243 County BROOKE District BUFFALO
Quad BETHANY Pad Name THOMAS PARKINSON BRK PAD Field/Pool Name PANHANDLE FIELD WET
Farm name BETHANY COLLEGE Well Number THOMAS PARKINSON BRK 6H
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 4451457.53 Easting 537103.20
Landing Point of Curve Northing 4451135.92 Easting 536945.89
Bottom Hole Northing 4449125.24 Easting 537794.89

Elevation (ft) 1,160.5 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

Date permit issued 2/12/2018 Date drilling commenced 2/18/2018 Date drilling ceased 4/18/2018
Date completion activities began 5/12/2018 Date completion activities ceased 7/14/2018
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 401 Open mine(s) (Y/N) depths N
Salt water depth(s) ft 813 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 347 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

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Reviewed

C. J. [Signature] 1/17/19

Reviewed by:
[Signature] 9/17/19

API 47-009 - 00243 Farm name BETHANY COLLEGE Well number THOMAS PARKINSON BRK 6H

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	486	NEW	J-54.50/48#	321.9	Y, 78
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	1738	NEW	J-55/36#		Y, 26
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	13652	NEW	HCP-110/20#		Y
Tubing		2.375	6458	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	486	15.60	1.20	583.2	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	659	15.60	1.19	784.21	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2,492	15.60	1.19	2965.48	SURFACE	24
Tubing							

Drillers TD (ft) 13652 Loggers TD (ft) 13652

Deepest formation penetrated MARCELLUS Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 5,411

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 _____

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API 47- 009 . 00243 Farm name BETHANY COLLEGE Well number THOMAS PARKINSON BRK 6H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMENT 1	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 Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
		SEE	ATTACHMENT 2	2				

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Please insert additional pages as applicable.

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PRODUCING FORMATION(S)	DEPTHS	
<u>MARCELLUS</u>	<u>5,992</u> TVD	<u>6,384</u> MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 2440 psi Bottom Hole _____ psi DURATION OF TEST _____ hrs

OPEN FLOW Gas 4,929 mcfpd Oil 507 bpd NGL _____ bpd Water 182 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	
	<u>0</u>		<u>0</u>		
	<u>SEE</u>	<u>ATTACHMENT</u>	<u>3</u>		

Please insert additional pages as applicable.

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

Logging Company BAKER HUGHES
Address 9110 GROGANS MILL RD City THE WOODLANDS State TX Zip 77380

Cementing Company BJ SERVICES
Address 2228 PHILIPPI PIKE City CLARKSBURG State WV Zip 26301

Stimulating Company US WELL SERVICES
Address 770 S. POST OAK LN #405 City HOUSTON State TX Zip 77056

Please insert additional pages as applicable.

Completed by BOBBY WILLIAMS Telephone 832-796-2884
Signature [Signature] Title REGULATORY ANALYST Date 10/5/18

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

WV Department of Environmental Protection

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/12/2018
Job End Date:	5/31/2018
State:	West Virginia
County:	Brooke
API Number:	47-009-00243-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Thomas Parkinson BRK 6H
Latitude:	40.21270971
Longitude:	-80.56397609
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,048
Total Base Water Volume (gal):	8,401,824
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
Water	Southwestern Energy	Carrier/Base Fluid	Water	7732-18-5	100.00000	82.16193	
Sand	U.S. Well Services, LLC	Proppant	Crystalline Silica, quartz	14808-60-7	100.00000	16.77595	
HCL Acid (12.6%-17.5%)	U.S. Well Services, LLC	Bulk Acid	Water	7732-18-5	87.40000	0.78126	
			Hydrogen Chloride	7647-01-0	17.50000	0.18164	
WFRA-2000	U.S. Well Services, LLC	Friction Reducer	Water	7732-18-5	60.00000	0.04052	
			2-Propenoic acid, polymer with 2 propenamides	9003-06-9	30.00000	0.02026	
			Hydrated light distillate (petroleum)	54742-47-8	30.00000	0.01661	
BIOC11219A	Nalco Champion	Anti-Bacterial Agent	Methanol	64-17-5	60.00000	0.00941	
			Benzyl-(C12-C16 Alkyl)-Dimethyl-Ammonium Chloride	68424-85-1	30.00000	0.00598	
			Glutaraldehyde	111-30-8	10.00000	0.00199	

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SCAL16486A	Naico Champion	Scale Inhibitor	Ethylene Glycol	107-21-1	30.00000	0.00168
			Amine Triphosphate	Proprietary	30.00000	0.00151
AI-303	J.S. Well Services, LLC	Acid Corrosion Inhibitors	Ethylene glycol	107-21-1	40.00000	0.00039
			Cinnamaldehyde	104-55-2	20.00000	0.00014
			Formic acid	64-18-6	20.00000	0.00014
			Butyl cellosolve	111-76-2	20.00000	0.00012
			Polyether	60828-78-6	10.00000	0.00007
			Acetophenone, thiourea, formaldehyde polymer	68527-49-1	5.00000	0.00003
LT FLUSH SYSTEM I	J.S. Well Services, LLC	Other	Mineral oil, petroleum distillates, hydro-treated light naphthenic	64742-53-6	100.00000	0.00037
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.						

* Total Water Volume sources may include fresh water, produced water, and/or 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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**THOMAS PARKINSON BRK 6H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	7/4/2018	13,565	13,471	36
2	5/13/2018	13,436	13,329	42
3	5/13/2018	13,296	13,189	42
4	5/14/2018	13,156	13,049	42
5	5/14/2018	13,016	12,909	42
6	5/14/2018	12,876	12,771	42
7	5/16/2018	12,736	12,629	42
8	5/17/2018	12,596	12,489	42
9	5/17/2018	12,456	12,349	42
10	5/17/2018	12,316	12,209	42
11	5/17/2018	12,176	12,069	42
12	5/18/2018	12,036	11,929	42
13	5/18/2018	11,896	11,789	42
14	5/19/2018	11,756	11,654	42
15	5/19/2018	11,616	11,509	42
16	5/19/2018	11,476	11,369	42
17	5/20/2018	11,336	11,229	42
18	5/20/2018	11,196	11,089	42
19	5/20/2018	11,056	10,949	42
20	5/21/2018	10,911	10,809	42
21	5/21/2018	10,776	10,669	42
22	5/22/2018	10,636	10,529	42
23	5/23/2018	10,496	10,389	42
24	5/23/2018	10,361	10,249	42
25	5/23/2018	10,216	10,109	42
26	5/24/2018	10,076	9,969	42
27	5/24/2018	9,936	9,829	42
28	5/24/2018	9,796	9,689	42
29	5/25/2018	9,656	9,549	42
30	5/25/2018	9,516	9,409	42
31	5/25/2018	9,376	9,269	42
32	5/26/2018	9,236	9,129	42
33	5/26/2018	9,096	8,989	42
34	5/27/2018	8,956	8,849	42
35	5/27/2018	8,816	8,709	42
36	5/27/2018	8,676	8,569	42
37	5/28/2018	8,536	8,429	42
38	5/28/2018	8,396	8,289	42
39	5/28/2018	8,256	8,149	42
40	5/28/2018	8,116	8,009	42
41	5/29/2018	7,976	7,869	42
42	5/29/2018	7,836	7,729	42
43	5/29/2018	7,696	7,589	42
44	5/29/2018	7,556	7,449	42
45	5/30/2018	7,412	7,309	42
46	5/30/2018	7,276	7,166	42
47	5/30/2018	7,136	7,029	42
48	5/31/2018	6,996	6,885	42
49	5/31/2018	6,859	6,749	42
50	5/31/2018	6,716	6,614	42
51	5/31/2018	6,576	6,469	42

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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
1	5/12/2018	88	7,416	8,533	3,822	280,375	5,673	0
2	5/13/2018	89	7,380	5,730	4,720	279,780	4,723	0
3	5/14/2018	91	7,340	7,308	4,191	279,340	4,628	0
4	5/14/2018	89	7,488	5,510	4,394	281,390	4,895	0
5	5/14/2018	90	7,653	7,466	4,526	280,340	4,865	0
6	5/15/2018	88	7,251	7,929	4,195	282,720	4,664	0
7	5/16/2018	89	7,159	6,076	4,397	282,980	4,533	0
8	5/17/2018	91	7,577	5,650	4,621	279,620	4,445	0
9	5/17/2018	88	7,362	6,016	4,854	279,630	4,868	0
10	5/17/2018	90	7,130	7,805	4,494	281,720	4,237	0
11	5/18/2018	89	7,536	6,112	4,276	280,960	4,577	0
12	5/18/2018	89	7,307	6,126	4,356	280,320	4,673	0
13	5/18/2018	89	7,054	5,401	4,541	281,800	4,104	0
14	5/19/2018	90	7,354	5,398	4,770	281,080	4,104	0
15	5/19/2018	90	7,232	5,711	4,374	280,320	4,474	0
16	5/19/2018	88	7,077	5,210	4,236	281,020	4,069	0
17	5/20/2018	89	7,205	5,612	4,522	280,440	3,984	0
18	5/20/2018	90	7,018	5,631	4,484	280,530	4,450	0
19	5/20/2018	88	6,983	6,009	4,932	279,840	3,827	0
20	5/21/2018	89	7,142	6,058	4,161	280,870	4,492	0
21	5/22/2018	88	7,082	8,160	4,435	280,150	3,867	0
22	5/22/2018	88	7,132	6,047	4,653	279,920	3,829	0
23	5/23/2018	88	6,908	6,118	4,681	280,040	3,796	0
24	5/23/2018	89	6,623	5,886	4,584	279,640	4,143	0
25	5/23/2018	89	7,153	5,684	4,684	280,570	3,759	0
26	5/24/2018	89	6,983	5,928	4,409	280,220	3,725	0
27	5/24/2018	89	7,006	5,326	4,551	279,870	3,873	0
28	5/25/2018	89	6,586	5,360	4,596	280,350	3,756	0
29	5/25/2018	86	6,754	6,135	4,511	279,970	3,703	0
30	5/25/2018	90.2	6,926	5,914	4,406	280,400	4,657	0
31	5/26/2018	88.4	6,903	4,894	4,674	280,330	3,634	0
32	5/26/2018	86.4	6,438	5,701	4,651	280,710	3,621	0
33	5/26/2018	87.1	7,120	5,207	4,683	280,170	4,023	0
34	5/27/2018	87.7	6,592	6,063	4,715	280,160	3,546	0
35	5/27/2018	85.5	6,886	6,500	4,677	279,900	3,521	0
36	5/27/2018	88	6,761	5,429	4,051	280,650	3,533	0
37	5/28/2018	88.3	6,841	5,444	4,638	280,640	3,515	0
38	5/28/2018	86.5	6,827	5,595	4,474	282,160	3,428	0
39	5/28/2018	88.5	6,724	5,260	4,209	279,940	3,498	0
40	5/29/2018	87.7	6,714	5,544	4,606	279,690	3,462	0
41	5/29/2018	89.8	6,469	5,371	4,498	281,400	3,451	0
42	5/29/2018	88.6	6,548	5,886	4,582	280,610	3,435	0
43	5/29/2018	89	6,501	5,704	4,741	280,660	3,202	0
44	5/29/2018	89	6,388	5,621	4,577	279,950	3,420	0
45	5/30/2018	88.2	6,547	5,734	4,876	281,170	3,457	0
46	5/30/2018	87	6,577	6,569	4,023	280,400	3,134	0
47	5/30/2018	90.6	6,659	5,857	4,393	280,230	3,428	0
48	5/31/2018	90.6	6,504	5,620	4,934	281,150	3,404	0
49	5/31/2018	90.4	6,571	5,813	4,311	280,290	3,381	0
50	5/31/2018	89.8	6,429	6,475	4,496	280,600	3,369	0
51	5/31/2018	92.6	6,011	5,561	4,613	280,230	3,562	0

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Well Name: Thomas Parkinson BRK 6H

47009002430000

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	401.00	401.00	
Top of Salt Water	813.00	813.00	NA	NA	
Pittsburgh Coal	339.00	339.00	347.00	347.00	
Maxton (ss)	1170.00	1170.00	1536.00	1536.00	
Big Injun (ss)	1536.00	1536.00	2009.00	2009.00	
Berea (siltstone)	2009.00	2009.00	5563.00	5530.00	
Rhinestreet (shale)	5620.00	5524.00	5775.00	5671.00	
Cashaqua (shale)	5775.00	5671.00	5854.00	5728.00	
Middlesex (shale)	5854.00	5728.00	5931.00	5793.00	
Burket (shale)	5931.00	5793.00	5966.00	5810.00	
Tully (ls)	5966.00	5810.00	6054.00	5866.00	
Mahantango (shale)	6054.00	5866.00	6384.00	5992.00	
Marcellus (shale)	6384.00	5992.00	NA	NA	GAS

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<p>LEGEND:</p> <ul style="list-style-type: none"> EXISTING SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLS LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING NATURAL WATERWAY PUBLIC ROAD SURVEYED BOUNDARY LEASE BOUNDARY ASDRILLED PATH PROPOSED PATH 	<p>REVISIONS:</p> <p>DATE: 09-28-2018</p> <p>DRAWN BY: D. REED</p> <p>SCALE: 1" = 200'</p> <p>DRAWING NO: 2018-675</p> <p>WELL LOCATION PLAT</p>
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WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
 ADDRESS: P.O. BOX 1300
 STATE: WV ZIP CODE: 26378
 CITY: JANE LEW

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

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

WATERSHED: UPPER OHIO SOUTH
 DISTRICT: BUFFALO
 COUNTY: BROOKE

SURFACE OWNER: BETHANY COLLEGE
 OIL & GAS ROYALTY OWNER: BETHANY COLLEGE
 ACREAGE: ±822.26
 ESTIMATED DEPTH: 5,011' TWD 13,652.0' TMD

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

UNITED STATES TOPOGRAPHIC MAPS
 DEGREE OF ACCURACY: 1/200

THOMAS PARKINSON BRK
 OPERATOR'S WELL #: 6H
 API WELL #: 47
 STATE: WV COUNTY: PERMIT

PROFESSIONAL SURVEYOR
 STATE OF WEST VIRGINIA
 LICENSED
 HOWARD D. KEMP
 No. 2041

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.

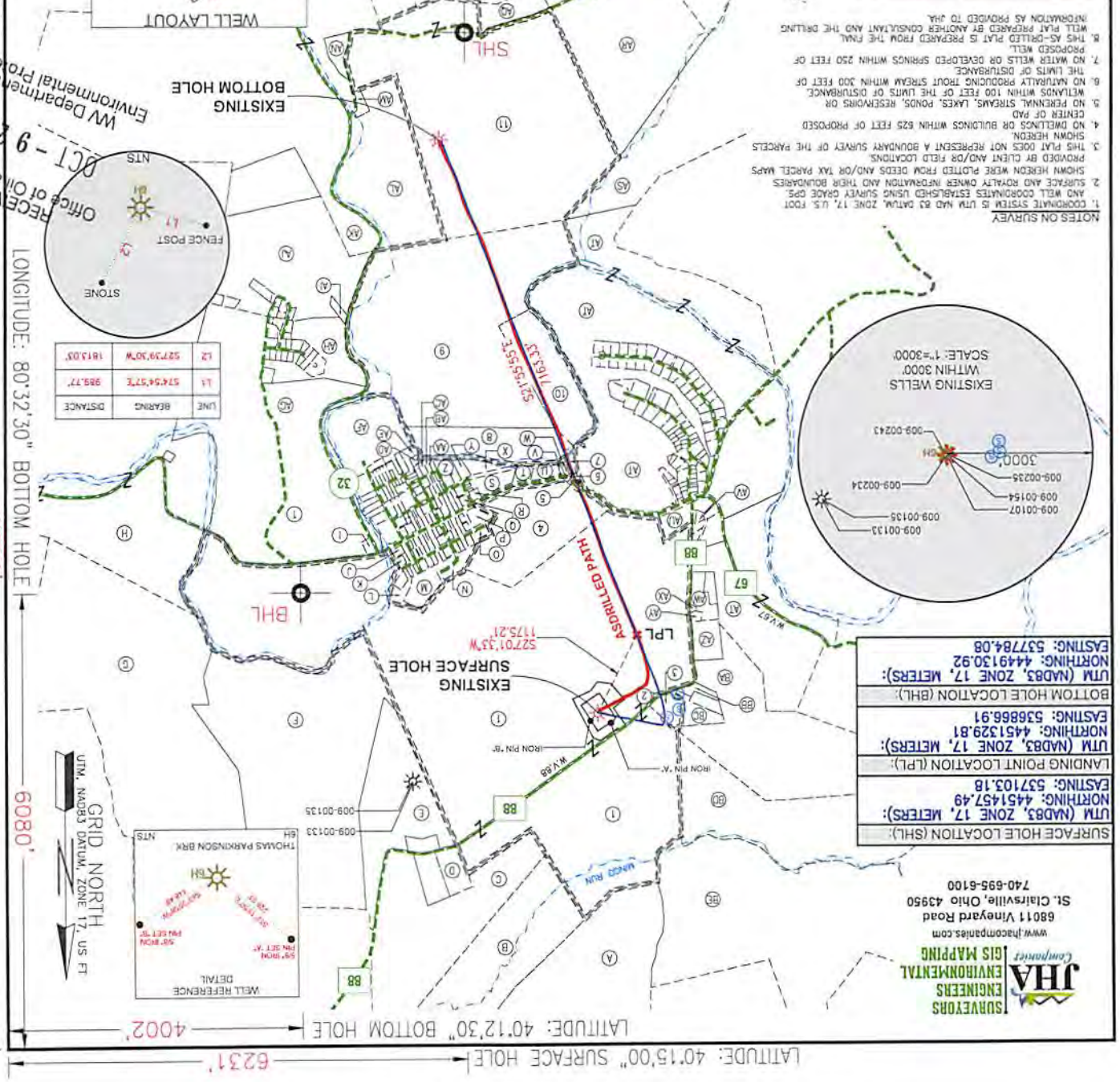
P.S. 2041

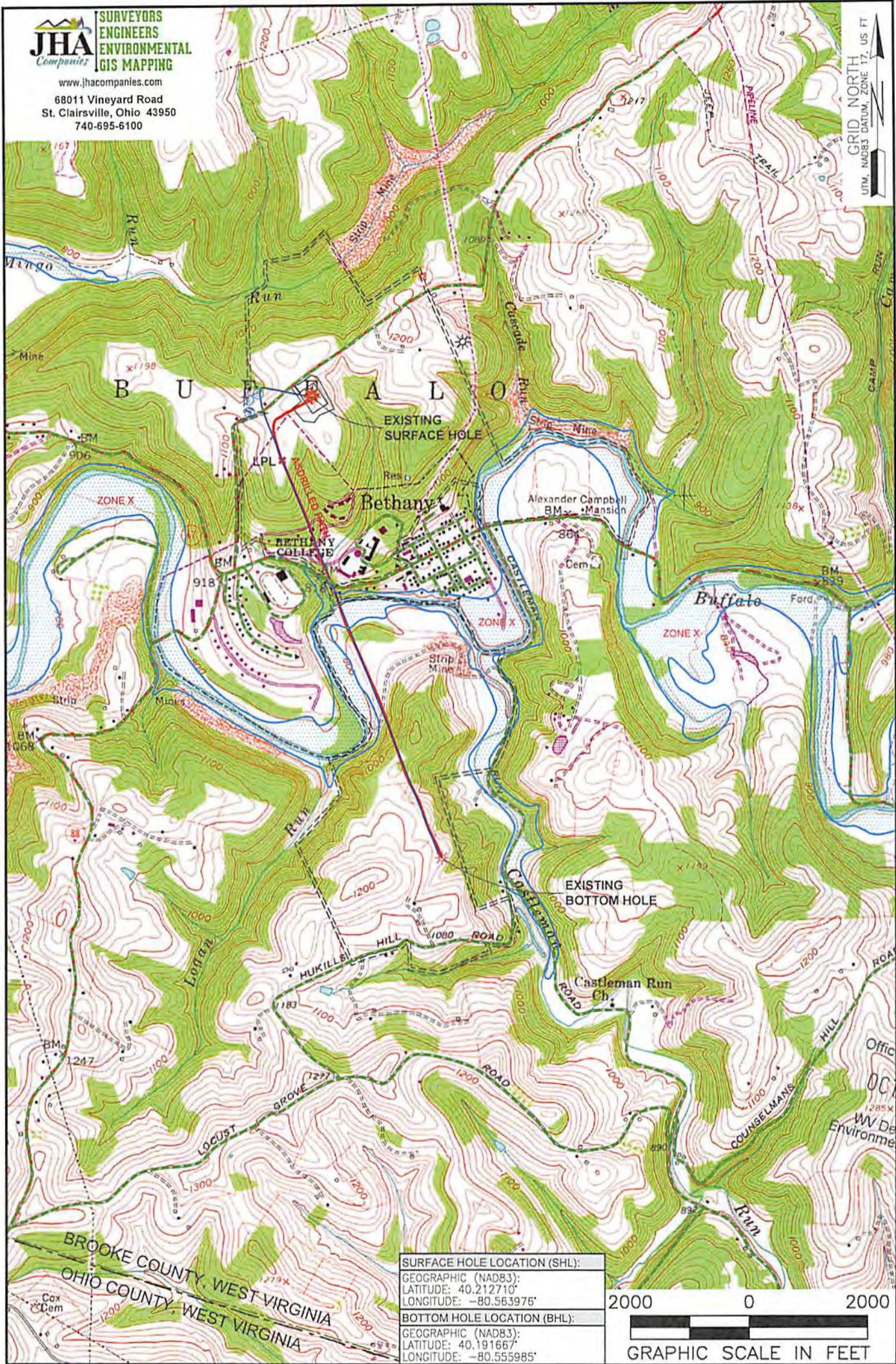
GRAPHIC SCALE IN FEET
 0 2000 2000

LONGITUDE: 80°32'30" SURFACE HOLE
 LONGITUDE: 80°32'30" BOTTOM HOLE

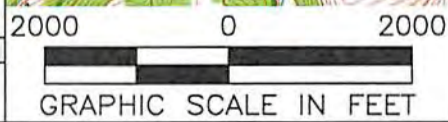
WELL LAYOUT

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SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.212710°
LONGITUDE: -80.563976°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.191667°
LONGITUDE: -80.555985°



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
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC
ADDRESS:
P.O. BOX 1300 JANE LEW, WV 26378
SURFACE OWNER:
BETHANY COLLEGE



WELL (FARM) NAME:
THOMAS PARKINSON BRK
WELL # 6H **SERIAL #** XXXX
COUNTY: BROOKE **CODE:** 009 **DISTRICT:** BUFFALO
USGS 7 1/2 QUADRANGLE MAP NAME:
BETHANY, WV

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WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	BETHANY COLLEGE (S) / BETHANY COLLEGE, A CORPORATION, F/K/A THE TRUSTEES OF BETHANY COLLEGE, F/K/A THE TRUSTEES OF BETHANY COLLEGE, A CORPORATION (R)	03-B38-0031.0000
TRACT	SURFACE OWNER	TAX PARCEL
2	WV DOT, DIVISION OF HIGHWAYS	BEALL'S RIDGE RD
3	DAVID G. OWENS & LINDA WALTERS	03-B38-0032.0000
4	BETHANY COLLEGE	01-B43B-0026.0000
5	WV DOT, DIVISION OF HIGHWAYS	BETHANY PIKE
6	MITCHELL DONALD STEVEN	02-B43F-0083.0000
7	WILLIAM MITCHELL HEIRS	02-B43B-0022.0000
8	BETHANY COLLEGE	03-B43-0031.0000
9	VALENTINE GENE C.	03-B43-0033.0000
10	TOWN OF BETHANY	03-B43-0032.0000
11	SAMUEL E. & JUDITH F. JONES	03-B43-0060.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MARK A. & GEORGIA M. FEDAK	03-B38-0014.0000
B	JEFFREY W. HENSLER	03-B38-0028.0000
C	JEFFREY W. HENSLER	03-B38-0027.0001
D	CHARLES F. & DONNA BROWN	03-B38-0030.0000
E	KIMBERLY CARMAN WORTHLEY	03-B38-0027.0000
F	KIMBERLY CARMAN WORTHLEY	03-B38-0025.0000
G	MARK W. OWEN & VIRGINIA BEALL KRUEZ	03-B38-0024.0000
H	GENE CHARLES VALENTINE TRUST	03-B43-0028.0000
I	RICHARD FRANCIS GORBY	03-B43-0027.0000
J	JAMES & KATHLEEN KEEGAN	02-B43C-0037.0000
K	BARBARA L. CHAMBERS	02-B43C-0036.0000
L	BETHANY COLLEGE	02-B43C-0003.0000
M	BETHANY COLLEGE	02-B43C-0002.0000
N	BETHANY COLLEGE	02-B43C-0001.0000
O	BETHANY COLLEGE	02-B43C-0019.0000
P	BETHANY COLLEGE	02-B43C-0020.0000
Q	BETHANY COLLEGE	02-B43C-0057.0000
R	CHURCH OF CHRIST, TRUSTEES	02-B43C-0056.0000
S	BETHANY COLLEGE	02-B43C-0055.0000
T	BETHANY COLLEGE	03-B38-0054.0000
U	TRAVIS G. & GREGORY B. STRAUB	02-B43F-0084.0000
V	GEORGE SONNEWALD, JR.	02-B43F-0082.0000
W	GEORGE SONNEWALD, JR.	02-B43F-0081.0000
X	BETHANY COLLEGE	02-B43G-0001.0000
Y	ANN GABOR TRUST	02-B43G-0019.0000
Z	BETHANY COLLEGE	02-B43G-0001.0000
AA	WALTON J. TURNER, JR.	02-B43G-0007.0000
AB	HUBERT C. & ANITA H. WEAVER	02-B43G-0006.0000
AC	STACEY JO SMITH	02-B43G-0005.0000
AD	LARRY E. & CAROL GRIMES	02-B43G-0008.0000
AE	LARRY E. & CAROL GRIMES	02-B43G-0009.0000
AF	CITY OF BETHANY	02-B43G-0015.0000
AG	BETHANY COLLEGE	03-B38-0031.0000
AH	GENE C. VALENTINE TRUST	03-B43-0035.0000
AI	GENE C. VALENTINE TRUST	03-B43-0056.0000
AJ	GENE C. VALENTINE TRUST	03-B43-0049.0000
AK	WV ST OF DEPT DF COMM DIV OF NAT RES WILDLIFE RES SEC	03-B43-0062.0000
AL	MARY LOU FONNER	03-B48-0058.0000
AM	TRACY T. PUSKARICH	03-B43-0059.0000
AN	ALBERT GLENN & REBECCA ANN AYERS	03-B43-0061.0000
AO	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-0024.0000
AP	HARRY L. & BEVERLY R. CHAMBERS	03-B48-0024.0001
AQ	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-0023.0000
AR	ANNA MAE MORDEN	03-B48-0022.0000
AS	BRIAN DAVID CORWIN	03-B43-0022.0000
AT	BETHANY COLLEGE	03-B38-0031.0000
AU	JOHN HEIRS HUFF	03-B43B-0004.0000
AV	JOHN T. & PAULA JEAN ROTHWELL	03-B43B-0003.0000
AW	DANNY M. & SANDRA L. HOLLIDAY	03-B43-0003.0000
AX	DENNIS & DERRELLE RUSCHELL	03-B43-0002.0000
AY	DENNIS & DERRELLE RUSCHELL	03-B43-0001.0000
AZ	RUTH GERMON, JEFFREY WDY, SUE MOORE, PATRICIA WEST & SARA WDY	03-B38-0037.0000
BA	ALLEN JOHNSON, CHARLES WARREN & ET AL	03-B38-0036.0000
BB	DAVID G. OWENS & LINDA WALTERS	03-B38-0035.0000
BC	MARSH LIVING TRUST	03-B32-0118.0000
BD	MELVIN E. PELUCHETTE	03-B37-0063.0000
BE	STARVAGGI INDUSTRIES, INC	03-B37-0053.0000

REVISIONS:

COMPANY:					
OPERATOR'S			THOMAS PARKINSON BRK		
WELL #:			6H		
DISTRICT:	COUNTY:	STATE:	DATE: 09-28-2018		
BUFFALO	BROOKE	WV	DRAWN BY: D. REED		
			SCALE: N/A		
			DRAWING NO: 2018-675		
			WELL LOCATION PLAT		

LATITUDE: 40°15'00" SURFACE HOLE

6231'

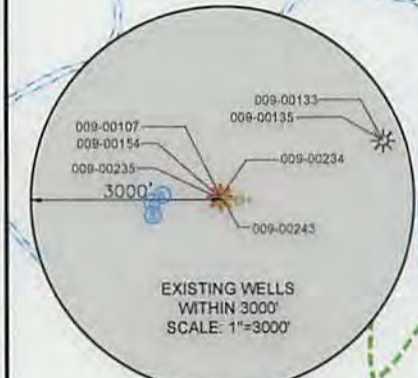
LATITUDE: 40°12'30" BOTTOM HOLE

4002'



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

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4451457.49
EASTING: 537103.18
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4451329.81
EASTING: 536866.91
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4449130.92
EASTING: 537784.08



- 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.
 - THIS AS-DRILLED PLAT IS PREPARED FROM THE FINAL WELL PLAT PREPARED BY ANOTHER CONSULTANT AND THE DRILLING INFORMATION AS PROVIDED TO JHA.

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4451457.53
EASTING: 537103.20
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4451135.92
EASTING: 536945.89
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4449125.24
EASTING: 537794.89

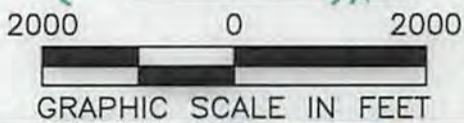
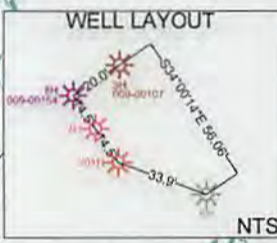


I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 2041 *[Signature]* 9/28/18



LINE	BEARING	DISTANCE
L1	S74°54'57"E	489.77'
L2	S27°34'30"W	1813.03'



COMPANY: **SWN** Production Company, LLC

<p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	COMPANY: THOMAS PARKINSON BRK OPERATOR'S WELL #: 6H API WELL #: 47 009 00243 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: BUFFALO COUNTY: BROOKE SURFACE OWNER: BETHANY COLLEGE OIL & GAS ROYALTY OWNER: BETHANY COLLEGE, A CORPORATION, F/X/A THE TRUSTEES OF BETHANY COLLEGE, F/X/A THE TRUSTEES OF BETHANY COLLEGE, A CORPORATION 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 checked="" 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 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,011' TVD 13,652.0' TMD	ELEVATION: 1,160.5' QUADRANGLE: BETHANY, WV ACREAGE: ±822.26 ACREAGE: ±822.26
---	--

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 --- PUBLIC ROAD --- NATURAL WATERWAY --- SURVEYED BOUNDARY --- LEASE BOUNDARY --- ASDRILLED PATH --- PROPOSED PATH	REVISIONS: DATE: 09-28-2018 DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2018-675 WELL LOCATION PLAT
---	---

SURFACE HOLE LOCATION (SHL):	UTM (NAD83, ZONE 17, METERS): NORTHING: 445125.48 EASTING: 527107.18
LANDING POINT LOCATION (LPL):	UTM (NAD83, ZONE 17, METERS): NORTHING: 445125.81 EASTING: 528889.91
BOTTOM HOLE LOCATION (BHL):	UTM (NAD83, ZONE 17, METERS): NORTHING: 4448120.92 EASTING: 527847.08



NOTES ON SURVEY:

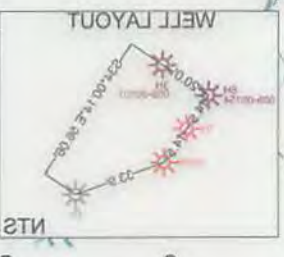
- COORDINATE SYSTEM IS UTM HAD 83 DATUM, ZONE 17, U.S. FOOT
- AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREIN WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS
- THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREIN
- NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF ROAD
- NO PERMANENT STREAMS, LAKE, POND, RESERVOIR OR WETLANDS WITHIN 100 FEET OF THE LIMIT OF DISTURBANCE
- NO NATURALLY PRODUCING THINNT STREAM WITHIN 200 FEET OF THE LIMIT OF DISTURBANCE
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL
- THIS AS-DRILLED PLAN IS PREPARED FROM THE FINAL WELL PLAN PREPARED BY ANOTHER CONSULTANT AND THE DRILLING INFORMATION AS PROVIDED TO JHA

SURFACE HOLE LOCATION (SHL):	UTM (NAD83, ZONE 17, METERS): NORTHING: 445125.53 EASTING: 527107.50
LANDING POINT LOCATION (LPL):	UTM (NAD83, ZONE 17, METERS): NORTHING: 445125.92 EASTING: 528945.89
BOTTOM HOLE LOCATION (BHL):	UTM (NAD83, ZONE 17, METERS): NORTHING: 4448125.24 EASTING: 527847.89

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 PROTECTION.



LINE	BEARING	DISTANCE
11	S14°24'21"E	988.77
12	S27°39'50"W	1677.07



GRAPHIC SCALE IN FEET
0 2000 2000

SWN
Production Company, LLC
Production Company, LLC



WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: BRITANNY WOODY
ADDRESS: P.O. BOX 1300	ADDRESS: P.O. BOX 1300
CITY: JANE LEW	CITY: JANE LEW
STATE: WV	STATE: WV
ZIP CODE: 26378	ZIP CODE: 26378
DATE: 09-28-2018	DATE: 09-28-2018
REVISIONS:	REVISIONS:
DRAWN BY: D. REED	DRAWN BY: D. REED
SCALE: 1" = 2000'	SCALE: 1" = 2000'
DRAWING NO: 2018-675	DRAWING NO: 2018-675
WELL LOCATION PLAN	WELL LOCATION PLAN

WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>	WATERSHED: UPPER OHIO SOUTH
DISTRICT: BUFFALO	COUNTY: BROOKE
SURFACE OWNER: BETHANY COLLEGE	ACREAGE: ±822.28
OIL & GAS ROYALTY OWNER: BETHANY COLLEGE A CORPORATION (VIA THE TRUSTEE OF BETHANY COLLEGE A CORPORATION)	ACREAGE: ±822.28
DRILL: 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 checked="" type="checkbox"/>	CONVERT: PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY AS-DRILLED)
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 6,011' TD 13,630' TMD

ELEVATION: (NAD 88, US FT)	SOURCE OF GRADE GPS	PROVEN SURVEY	ACCURACY: 1/300	MINIMUM DEGREE OF ACCURACY: 1/300	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
API WELL #: 47	STATE: WV	COUNTY: BROOKE	PERMIT: 009 00243	OPERATOR'S WELL #: 6H	THOMAS PARKINSON BRK

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	BETHANY COLLEGE (S) / BETHANY COLLEGE, A CORPORATION, F/K/A THE TRUSTEES OF BETHANY COLLEGE, F/K/A THE TRUSTEES OF BETHANY COLLEGE, A CORPORATION (R)	03-B38-0031.0000
TRACT	SURFACE OWNER	TAX PARCEL
2	WV DOT, DIVISION OF HIGHWAYS	BEALL'S RIDGE RD
3	DAVID G. OWENS & LINDA WALTERS	03-B38-0032.0000
4	BETHANY COLLEGE	01-B43B-0026.0000
5	WV DOT, DIVISION OF HIGHWAYS	BETHANY PIKE
6	MITCHELL DONALD STEVEN	02-B43F-0083.0000
7	WILLIAM MITCHELL HEIRS	02-B43B-0022.0000
8	BETHANY COLLEGE	03-B43-0031.0000
9	VALENTINE GENE C.	03-B43-0033.0000
10	TOWN OF BETHANY	03-B43-0032.0000
11	SAMUEL E. & JUDITH F. JONES	03-B43-0060.0000

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MARK A. & GEORGIA M. FEDAK	03-B38-0014.0000
B	JEFFREY W. HENSLER	03-B38-0028.0000
C	JEFFREY W. HENSLER	03-B38-0027.0001
D	CHARLES F. & DONNA BROWN	03-B38-0030.0000
E	KIMBERLY CARMAN WORTHLEY	03-B38-0027.0000
F	KIMBERLY CARMAN WORTHLEY	03-B38-0025.0000
G	MARK W. OWEN & VIRGINIA BEALL KRUEZ	03-B38-0024.0000
H	GENE CHARLES VALENTINE TRUST	03-B43-0028.0000
I	RICHARD FRANCIS GORBY	03-B43-0027.0000
J	JAMES & KATHLEEN KEEGAN	02-B43C-0037.0000
K	BARBARA L. CHAMBERS	02-B43C-0036.0000
L	BETHANY COLLEGE	02-B43C-0003.0000
M	BETHANY COLLEGE	02-B43C-0002.0000
N	BETHANY COLLEGE	02-B43C-0001.0000
O	BETHANY COLLEGE	02-B43C-0019.0000
P	BETHANY COLLEGE	02-B43C-0020.0000
Q	BETHANY COLLEGE	02-B43C-0057.0000
R	CHURCH OF CHRIST, TRUSTEES	02-B43C-0056.0000
S	BETHANY COLLEGE	02-B43C-0055.0000
T	BETHANY COLLEGE	03-B38-0054.0000
U	TRAVIS G. & GREGORY B. STRAUB	02-B43F-0084.0000
V	GEORGE SONNEWALD, JR.	02-B43F-0082.0000
W	GEORGE SONNEWALD, JR.	02-B43F-0081.0000
X	BETHANY COLLEGE	02-B43G-0001.0000
Y	ANN GABOR TRUST	02-B43G-0019.0000
Z	BETHANY COLLEGE	02-B43G-0001.0000
AA	WALTON J. TURNER, JR.	02-B43G-0007.0000
AB	HUBERT G. & ANITA H. WEAVER	02-B43G-0006.0000
AC	STACEY JO SMITH	02-B43G-0005.0000
AD	LARRY E. & CAROL GRIMES	02-B43G-0008.0000
AE	LARRY E. & CAROL GRIMES	02-B43G-0009.0000
AF	CITY OF BETHANY	02-B43G-0015.0000
AG	BETHANY COLLEGE	03-B38-0031.0000
AH	GENE C. VALENTINE TRUST	03-B43-0035.0000
AI	GENE C. VALENTINE TRUST	03-B43-0056.0000
AJ	GENE C. VALENTINE TRUST	03-B43-0049.0000
AK	WV ST OF DEPT OF COMM DIV OF NAT RES WILDLIFE RES SEC	03-B43-0062.0000
AL	MARY LOU FONNER	03-B48-0058.0000
AM	TRACY T. PUSKARICH	03-B43-0059.0000
AN	ALBERT GLENN & REBECCA ANN AYERS	03-B43-0061.0000
AO	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-0024.0000
AP	HARRY L. & BEVERLY R. CHAMBERS	03-B48-0024.0001
AQ	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-0023.0000
AR	ANNA MAE MORDEN	03-B48-0022.0000
AS	BRIAN DAVID CORWIN	03-B43-0022.0000
AT	BETHANY COLLEGE	03-B38-0031.0000
AU	JOHN HEIRS HUFF	03-B43B-0004.0000
AV	JOHN T. & PAULA JEAN ROTHWELL	03-B43B-0003.0000
AW	DANNY M. & SANDRA L. HOLLIDAY	03-B43-0003.0000
AX	DENNIS & DERRELLE RUSCHELL	03-B43-0002.0000
AY	DENNIS & DERRELLE RUSCHELL	03-B43-0001.0000
AZ	RUTH GERMON, JEFFREY WDY, SUE MOORE, PATRICIA WEST & SARA WDY	03-B38-0037.0000
BA	ALLEN JOHNSON, CHARLES WARREN & ET AL	03-B38-0036.0000
BB	DAVID G. OWENS & LINDA WALTERS	03-B38-0035.0000
BC	MARSH LIVING TRUST	03-B32-0118.0000
BD	MELVIN E. PELUCHETTE	03-B37-0063.0000
BE	STARVAGGI INDUSTRIES, INC	03-B37-0053.0000



REVISIONS:	 	
	COMPANY:	
	OPERATOR'S	THOMAS PARKINSON BRK
	WELL #:	6H
	DISTRICT:	COUNTY:
	BUFFALO	BROOKE
		STATE:
		WV
		DATE: 09-28-2018
		DRAWN BY: D. REED
		SCALE: N/A
		DRAWING NO: 2018-675
		WELL LOCATION PLAT

TRACT	SURFACE OWNER (S) \ ROYALTY OWNER (R)	TAX PARCEL
1	BETHANY COLLEGE (S) \ BETHANY COLLEGE, A CORPORATION, F/K/A THE TRUSTEES OF BETHANY COLLEGE, F/K/A THE TRUSTEES OF BETHANY COLLEGE, A CORPORATION (R)	03-B38-0031.0000
2	SURFACE OWNER	TAX PARCEL
3	WV DOT, DIVISION OF HIGHWAYS	BEALL'S RIDGE RD
4	DAVID G OWENS & LINDA WALTERS	03-B38-0032.0000
5	BETHANY COLLEGE	01-B438-0028.0000
6	WV DOT, DIVISION OF HIGHWAYS	BETHANY PIKE
7	MITCHELL DONALD STEVEN	02-B437-0083.0000
8	WILLIAM MITCHELL HEIRS	02-B438-0033.0000
9	BETHANY COLLEGE	03-B43-0031.0000
10	VALENTINE GENE C.	03-B43-0033.0000
11	TOWN OF BETHANY	03-B43-0033.0000
12	SAMUEL E & JUDITH F. JONES	03-B43-0080.0000

TRACT	SURFACE OWNER	TAX PARCEL
A	MARK A & GEORGIA M. FEDAK	03-B38-0014.0000
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C	JEFFREY W. HENSLEER	03-B38-0027.0001
D	CHARLES F & DONNA BROWN	03-B38-0030.0000
E	KIMBERLY GARMAN WORTHLEY	03-B38-0027.0000
F	KIMBERLY GARMAN WORTHLEY	03-B38-0028.0000
G	MARK W. OWEN & VIRGINIA BEALL KRUEZ	03-B38-0024.0000
H	GENE CHARLES VALENTINE TRUST	03-B43-0028.0000
I	RICHARD FRANCIS GORBY	03-B43-0027.0000
J	JAMES & KATHLEEN KEEGAN	02-B43C-0027.0000
K	BARBARA L. CHAMBERS	02-B43C-0028.0000
L	BETHANY COLLEGE	02-B43C-0027.0000
M	BETHANY COLLEGE	02-B43C-0002.0000
N	BETHANY COLLEGE	02-B43C-0001.0000
O	BETHANY COLLEGE	02-B43C-0019.0000
P	BETHANY COLLEGE	02-B43C-0020.0000
Q	BETHANY COLLEGE	02-B43C-0027.0000
R	CHURCH OF CHRIST, TRUSTEES	02-B43C-0028.0000
S	BETHANY COLLEGE	02-B43C-0025.0000
T	BETHANY COLLEGE	03-B38-0024.0000
U	TRAVIS D & GREGORY B STRAUB	02-B437-0084.0000
V	GEORGE SONEWALD, JR.	02-B437-0083.0000
W	GEORGE SONEWALD, JR.	02-B437-0081.0000
X	BETHANY COLLEGE	02-B43C-0001.0000
Y	ANN GABOR TRUST	02-B43C-0019.0000
Z	BETHANY COLLEGE	02-B43C-0001.0000
AA	WALTON J. TURNER, JR.	02-B43C-0007.0000
AB	HUBERT G. & ANITA H. WEAVER	02-B43C-0008.0000
AC	STACEY JO SMITH	02-B43C-0002.0000
AD	LARRY E. & CAROL GRIMES	02-B43C-0008.0000
AE	LARRY E. & CAROL GRIMES	02-B43C-0009.0000
AF	CITY OF BETHANY	02-B43C-0012.0000
AG	BETHANY COLLEGE	03-B38-0031.0000
AH	GENE C. VALENTINE TRUST	03-B43-0032.0000
AI	GENE C. VALENTINE TRUST	03-B43-0028.0000
AJ	GENE C. VALENTINE TRUST	03-B43-0049.0000
AK	WV ST OF DEPT OF COMM DIV OF NAT RES WILDLIFE RES SEC	03-B43-0082.0000
AL	MARY LOU FOMBER	03-B48-0028.0000
AM	TRACY T. PUSKARICH	03-B43-0029.0000
AN	ALBERT GLENN & REBECCA ANN AYERS	03-B43-0081.0000
AO	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-0024.0000
AP	HARRY L. & BEVERLY R. CHAMBERS	03-B48-0024.0001
AQ	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-0023.0000
AR	ANNA MAE MORDEN	03-B48-0022.0000
AS	BRIAN DAVID CORWIN	03-B43-0022.0000
AT	BETHANY COLLEGE	03-B38-0031.0000
AU	JOHN HEIRS HUFF	03-B438-0004.0000
AV	JOHN T. & PAULA JEAN ROTHWELL	03-B438-0003.0000
AW	DANNY M. & SANDRA J. HOLLIDAY	03-B43-0003.0000
AX	DENNIS & DERRELLE RUSCHELL	03-B43-0002.0000
AY	DENNIS & DERRELLE RUSCHELL	03-B43-0001.0000
AZ	RUTH GERMON, JEFFREY WOY, SUE MOORE, PATRICIA WEST & SARA WOY	03-B38-0027.0000
BA	ALLEN JOHNSON, CHARLES WARREN & ET AL	03-B38-0028.0000
BB	DAVID G. OWENS & LINDA WALTERS	03-B38-0025.0000
BC	MARSH LIVING TRUST	03-B32-0118.0000
BD	MELVIN E. PELUCHETTE	03-B37-0083.0000
BE	STARVAGGI INDUSTRIES, INC	03-B37-0023.0000

ADJOINING OWNERS TABLE

WELL BORE TABLE FOR SURFACE \ ROYALTY OWNERS

				COMPANY:		REVISIONS:
THOMAS PARKINSON BRK BH		OPERATOR'S:		WELL #:		
DATE: 09-28-2018		STATE: WV		COUNTY: BROOKE		
DRAWN BY: D. REED		SCALE: N/A		DISTRICT: BUFFALO		
DRAWING NO: 2018-873		WELL LOCATION PLAT		DISTRICT: BUFFALO		