

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

API 47 - 009 - 00268 County BROOKE District BUFFALO  
Quad BETHANY Pad Name SAMUEL JONES BRK PAD1 Field/Pool Name PANHANDLE FIELD WET  
Farm name SAMUEL E. & JUDITH F. JONES Well Number SAMUEL JONES 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 4,448,999.61 Easting 537,361.52  
Landing Point of Curve Northing 4,448,975.70 Easting 537,361.30  
Bottom Hole Northing 4,450,804.57 Easting 536,597.08

Elevation (ft) 1,204' 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 11/30/18 Date drilling commenced 06/16/19 Date drilling ceased 06/28/19  
Date completion activities began 08/26/19 Date completion activities ceased 10/07/19  
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 264' Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 612' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 397' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

RECEIVED  
Office of Oil and Gas  
DEC 30 2019  
WV Department of  
Environmental Protection  
Reviewed by: C. [Signature]  
5-11-20

WR-35  
Rev. 8/23/13

API 47- 009 - 00268 Farm name SAMUEL E. & JUDITH F. JONES Well number SAMUEL JONES 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	366'	NEW	J-55/54.50#		Y; 12 BBLS RETURNED
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	1,812'	NEW	J-55/36#		Y; 47 BBLS RETURNED
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	12,959'	NEW	HCP-110/20#		Y; 15 BBLS RETURNED
Tubing		2.875	6,397'	NEW	P-110/6.50#		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	360	15.60	1.20	432	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	735	15.60	1.19	874.65	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2,275	15.60	1.20	2,730	SURFACE	24
Tubing							

Drillers TD (ft) 12,959' Loggers TD (ft) 12,959'  
 Deepest formation penetrated Marcellus Shale Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 5,293'

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 \_\_\_\_\_

RECEIVED  
 Office of Oil and Gas  
 DEC 30 2010  
 10:00 AM



API 47- 009 - 00268 Farm name SAMUEL E. & JUDITH F. JONES Well number SAMUEL JONES BRK 3H

PRODUCING FORMATION(S)	DEPTHS	
Marcellus Shale	6,066'	TVD 6,258' MD

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 1,231 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs

OPEN FLOW Gas 4,729 mcfpd Oil 593 bpd NGL \_\_\_\_\_ bpd Water 653 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 <sub>2</sub> 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.

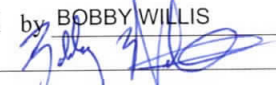
Drilling Contractor SWN DRILLING COMPANY  
Address PO BOX 12359 City SPRING State TX Zip 77391-2359

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

Cementing Company C&J ENERGY SERVICES, INC.  
Address 3990 ROGERDALE ROAD City HOUSTON State TX Zip 77042

Stimulating Company SWN WELL SERVICES  
Address PO BOX 12359 City SPRING State TX Zip 77391

Please insert additional pages as applicable.

Completed by BOBBY WILLIS Telephone 832-796-2884  
Signature  Title SR. REGULATORY ANALYST Date 12/27/19

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

RECEIVED  
Office of Oil and Gas  
WV Department of Environmental Protection  
DEC 30 2019

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/26/2019
Job End Date:	9/18/2019
State:	West Virginia
County:	Brooke
API Number:	47-009-00268-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Samuel Jones BRK 3
Latitude:	40.19055453
Longitude:	-80.56108312
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,082
Total Base Water Volume (gal):	9,417,716
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			
BIOC11219A	Nalco	Biocide		Listed Below			
				Listed Below			



RECEIVED  
Office of Oil and Gas  
DEC 3 0 2019  
WV Department of  
Environmental Protection

RECEIVED  
 Office of Oil and Gas  
 DEC 30 2019  
 WVD Department of  
 Environmental Protection

SCAL 16486A	Nalco	Scale Inhibitor		Listed Below					
				Listed Below					
Ecopol-FEAC	SWN Well Services	Iron Control		Listed Below					
				Listed Below					
HCL	SWN Well Services	Solvent		Listed Below					
				Listed Below					
SWN FRW-13LA	SWN Well Services	Friction Reducer		Listed Below					
				Listed Below					
Base Water	Operator	Base Fluid		Listed Below					
				Listed Below					
Econo-CI200	SWN Well Services	Corrosion Inhibitor		Listed Below					
				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	85.11800	Density = 8.345		
		Crystalline Silica, quartz		14808-60-7	100.00000	14.17467			
		Water		7732-18-5	85.00000	0.56054			
		Hydrochloric Acid		7647-01-0	15.00000	0.08631			
		Petroleum Distillates, Hydrotreated		64742-47-8	25.00000	0.02429			
		Methanol		67-56-1	60.00000	0.01519			
		Benzyl-(C12-C16 Alkyl)-Dimethyl-Ammonium		68424-85-1	30.00000	0.00759			
		Chloride Glutaraldehyde		111-30-8	10.00000	0.00253			



**SAMUEL JONES BRK 3H  
ATTACHMENT 1  
PERF REPORT**

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	26-Aug	12,872	12,778	36
2	9/1/2019	12,745	12,638	42
3	9/8/2019	12,605	12,497	42
4	9/8/2019	12,464	12,357	42
5	9/9/2019	12,324	12,217	42
6	9/10/2019	12,183	12,076	42
7	9/10/2019	12,043	11,936	42
8	9/10/2019	11,903	11,795	42
9	9/10/2019	11,762	11,655	42
10	9/10/2019	11,622	11,515	42
11	9/10/2019	11,481	11,374	42
12	9/11/2019	11,338	11,231	42
13	9/11/2019	11,201	11,093	42
14	9/11/2019	11,060	10,946	72
15	9/11/2019	10,920	10,813	42
16	9/11/2019	10,779	10,672	42
17	9/12/2019	10,639	10,532	42
18	9/12/2019	10,494	10,391	42
19	9/12/2019	10,358	10,253	42
20	9/12/2019	10,218	10,111	42
21	9/12/2019	10,077	9,970	42
22	9/12/2019	9,934	9,830	42
23	9/12/2019	9,800	9,693	42
24	9/13/2019	9,656	9,549	42
25	9/13/2019	9,516	9,408	42
26	9/13/2019	9,375	9,266	42
27	9/13/2019	9,237	9,128	42
28	9/13/2019	9,095	8,987	42
29	9/13/2019	8,954	8,847	42
30	9/13/2019	8,811	8,706	42
31	9/14/2019	8,673	8,570	42
32	9/14/2019	8,533	8,426	42
33	9/14/2019	8,393	8,285	42
34	9/14/2019	8,252	8,144	42
35	9/15/2019	8,115	8,004	42
36	9/15/2019	7,971	7,864	42
37	9/15/2019	7,831	7,724	42
38	9/16/2019	7,689	7,583	42
39	9/16/2019	7,550	7,447	42
40	9/16/2019	7,410	7,302	42
41	9/16/2019	7,269	7,162	42
42	9/16/2019	7,129	7,022	42
43	9/17/2019	6,987	6,881	42

RECEIVED  
Office of Ground Gas

DEC 3 0 2019

WV Department of  
Environmental Protection



**SAMUEL JONES BRK 3H  
ATTACHMENT 1  
PERF REPORT**

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
44	9/17/2019	6,848	6,741	42
45	9/18/2019	6,710	6,600	42
46	9/18/2019	6,567	6,465	42
47	9/18/2019	6,427	6,320	42

RECEIVED  
Office of Oil and Gas  
DEC 30 2019  
WV Department of  
Environmental Protection

SAMUEL JONES 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	8/26/2019	65	6,959	0	3,528	239,433	4,877	0
2	9/8/2019	100	7,582	5,605	3,848	283,230	5,172	0
3	9/8/2019	94	7,741	5,781	4,468	281,590	5,423	0
4	9/8/2019	79	5,859	4,326	4,247	274,850	6,209	0
5	9/10/2019	94	7,003	5,132	5,180	276,035	4,836	0
6	9/10/2019	95	7,671	5,290	4,528	281,730	4,889	0
7	9/10/2019	96	7,501	5,575	4,113	270,910	4,745	0
8	9/10/2019	95	7,444	5,256	4,518	273,150	4,602	0
9	9/10/2019	96	7,334	5,582	4,476	270,660	4,733	0
10	9/10/2019	92	7,302	5,233	3,959	282,990	4,520	0
11	9/11/2019	92	7,479	5,168	4,285	280,830	4,515	0
12	9/11/2019	96	7,276	5,129	4,310	283,455	4,434	0
13	9/11/2019	95	7,531	5,691	4,189	281,195	4,682	0
14	9/11/2019	62	6,938	5,721	4,245	280,755	8,386	0
15	9/11/2019	91	7,651	5,975	3,860	283,045	4,490	0
16	9/12/2019	88	7,514	5,486	4,561	283,325	4,568	0
17	9/12/2019	90	7,299	5,278	4,323	282,725	4,432	0
18	9/12/2019	94	7,393	5,522	4,403	270,710	4,521	0
19	9/12/2019	85	7,500	5,235	4,572	272,010	4,756	0
20	9/12/2019	94	7,280	5,468	4,026	281,450	4,460	0
21	9/12/2019	92	6,842	5,424	3,629	282,400	4,435	0
22	9/12/2019	97	7,163	5,570	4,124	283,130	4,798	0
23	9/13/2019	94	7,282	5,642	4,196	284,500	4,565	0
24	9/13/2019	96	7,258	5,458	4,478	281,150	4,996	0
25	9/13/2019	96	7,092	5,085	3,962	278,092	4,460	0
26	9/13/2019	93	7,298	5,826	4,255	281,930	4,504	0
27	9/13/2019	94	7,290	5,457	4,063	270,810	4,375	0
28	9/13/2019	95	7,107	5,430	4,193	274,470	4,430	0
29	9/13/2019	99	7,207	5,913	4,275	282,000	4,654	0
30	9/14/2019	98	6,858	2,786	4,261	282,570	4,599	0
31	9/14/2019	94	6,941	5,576	4,354	284,450	4,476	0
32	9/14/2019	94	6,887	5,505	4,671	281,400	4,417	0
33	9/14/2019	95	7,099	5,245	4,598	273,170	4,519	0
34	9/15/2019	95	7,601	5,465	3,885	275,752	4,640	0
35	9/15/2019	96	7,186	5,768	4,335	276,633	4,505	0
36	9/15/2019	96	6,760	5,374	4,454	283,716	4,498	0
37	9/16/2019	92	6,669	5,501	4,560	283,115	5,127	0
38	9/16/2019	98	6,480	5,707	4,356	283,100	4,576	0
39	9/16/2019	95	6,837	5,631	4,765	283,220	4,731	0
40	9/16/2019	94	7,070	5,539	4,653	271,320	4,643	0
41	9/16/2019	96	6,730	5,315	4,348	275,136	4,657	0
42	9/16/2019	95	6,602	5,314	4,626	283,822	4,778	0
43	9/17/2019	95	6,770	5,822	3,985	273,600	4,728	0
44	9/18/2019	98	6,649	5,711	4,079	283,085	5,661	0
45	9/18/2019	96	7,093	5,321	5,022	281,346	4,836	0
46	9/18/2019	98	6,724	5,572	5,572	281,346	4,807	0
47	9/18/2019	98	6,684	5,647	4,808	278,360	4,983	0

RECEIVED  
Office of Oil and Gas

DEC 30 2019

WV Department of  
Environmental Protection



Well Name: Samuel Jones BRK 3H 47009002680000

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	264.00	264.00	
Top of Salt Water	612.00	612.00	NA	NA	
Pittsburgh Coal	397.00	397.00	545.00	545.00	
Pottsville (ss)	545.00	545.00	855.00	855.00	
Raven Cliff (ss)	855.00	855.00	1236.00	1236.00	
Maxton (ss)	1236.00	1236.00	1600.00	1600.00	
Big Injun (ss)	1600.00	1600.00	1714.00	1714.00	
Rhinestreet (shale)	5567.00	5511.00	5843.00	5771.00	
Cashaqua (shale)	5843.00	5771.00	5902.00	5822.00	
Middlesex (shale)	5902.00	5822.00	5991.00	5895.00	
Burket (shale)	5991.00	5895.00	6010.00	5909.00	
Tully (ls)	6010.00	5909.00	6079.00	5961.00	
Mahantango (shale)	6079.00	5961.00	6258.00	6066.00	
Marcellus (shale)	6258.00	6066.00	NA	NA	GAS

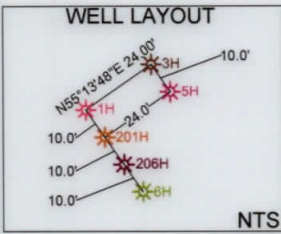
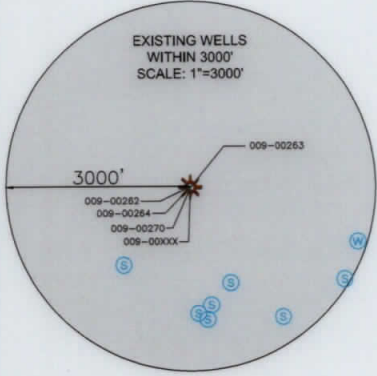
RECEIVED  
Office of Oil and Gas

DEC 30 2019

WV Department of  
Environmental Protection



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



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448999.61
EASTING: 537361.52
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448963.10
EASTING: 537357.82
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4450806.20
EASTING: 536596.17
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448999.61
EASTING: 537361.52
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4448975.70
EASTING: 537361.30
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4450804.57
EASTING: 536597.08

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



WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  MINIMUM DEGREE OF ACCURACY: 1/200  PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	COMPANY: SWN Production Company, LLC OPERATOR'S WELL #: SAMUEL JONES BRK 3H API WELL #: 47 STATE 009 COUNTY PERMIT 00268
	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: SAMUEL E. & JUDITH F. JONES OIL & GAS ROYALTY OWNER: RESOURCE MINERAL HEADWATER I, LP DRILL <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input checked="" type="checkbox"/> (SPECIFY) AS-DRILLED TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,111' TVD 12,959' TMD	ELEVATION: 1,204.2' QUADRANGLE: BETHANY, WV ACREAGE: ±164.74 ACREAGE: ±164.74
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	REVISIONS: DATE: 12-13-2019 API NO: 47-009-00268 DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2019-0265 WELL LOCATION PLAT

LATITUDE: 40°12'30" SURFACE HOLE ← 5425'

LATITUDE: 40°12'30" BOTTOM HOLE ← 7965'

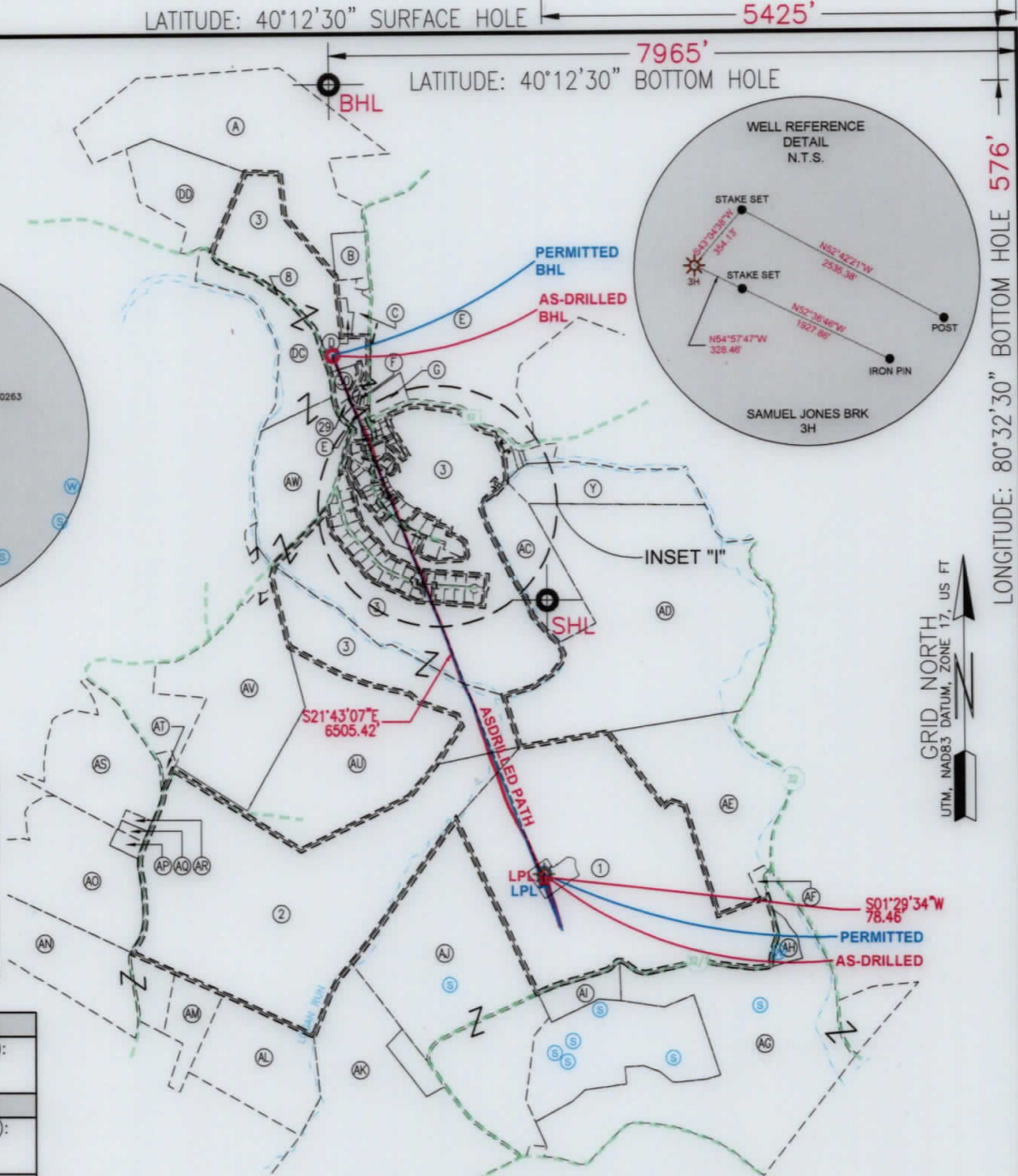
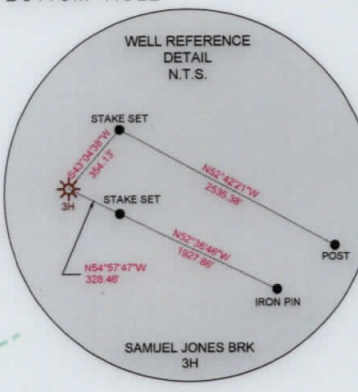
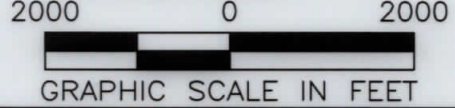
LONGITUDE: 80°32'30" BOTTOM HOLE 576'

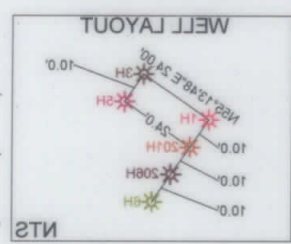
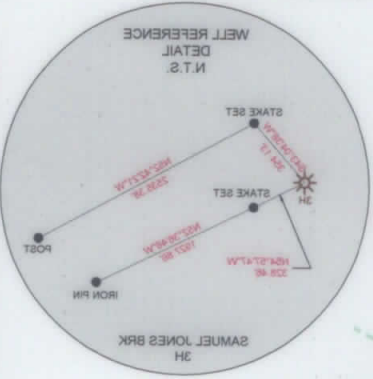
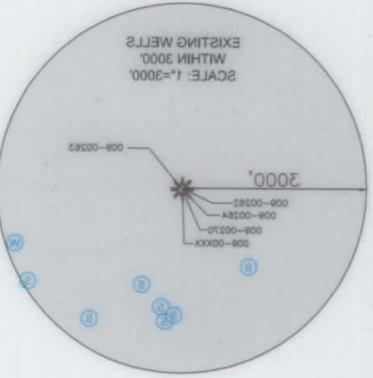
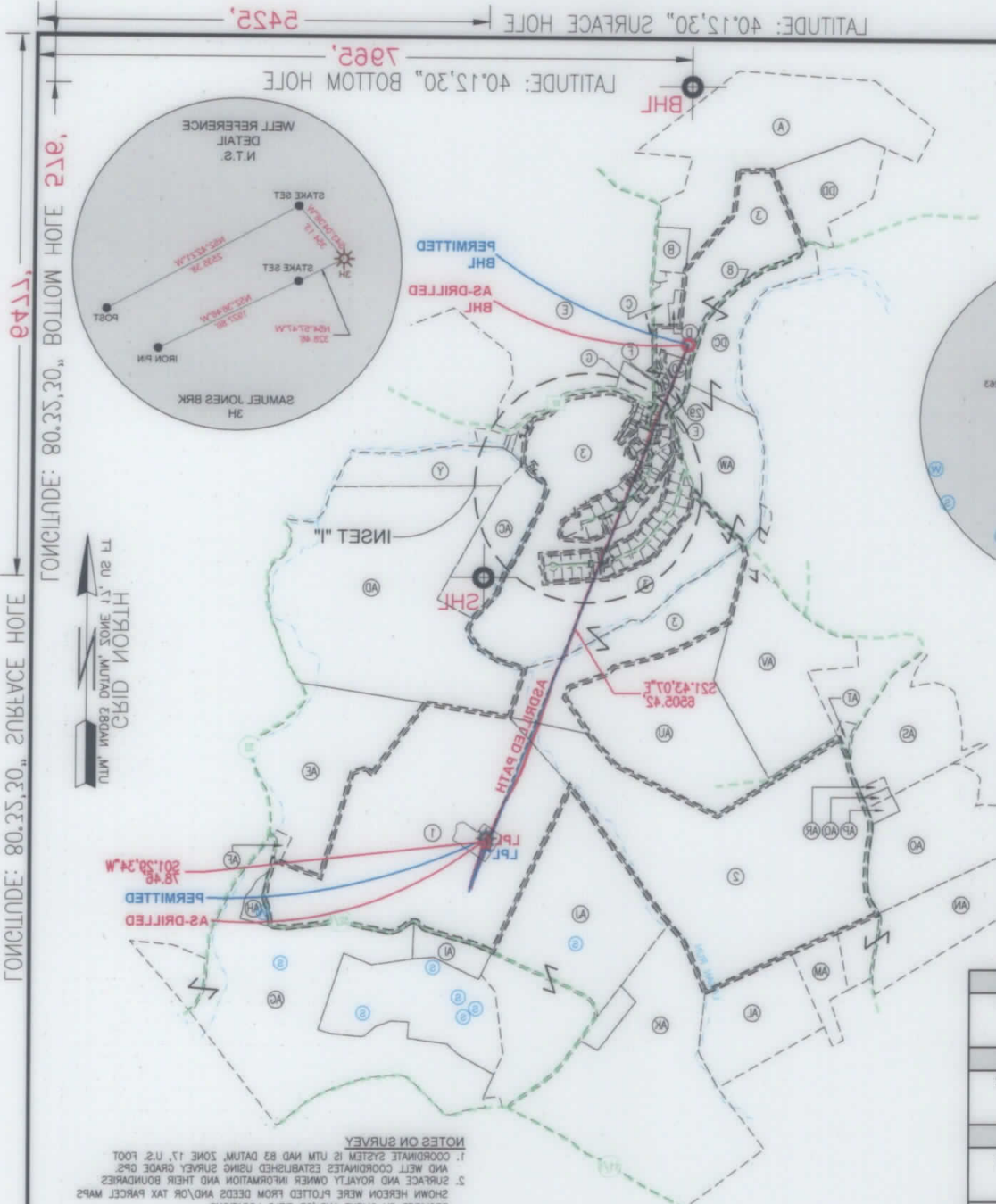
6477'

GRID NORTH US FT  
 UTM, NAD83 DATUM, ZONE 17

LONGITUDE: 80°32'30" SURFACE HOLE

- 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 ELK LAKE SERVICES, LLC AND THE DRILLING INFORMATION IS PROVIDED TO JHA COMPANIES.





SURFACE HOLE LOCATION (SHL):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 444898.81	EASTING: 82381.52
LANDING POINT LOCATION (LPL):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 444898.10	EASTING: 82381.82
BOTTOM HOLE LOCATION (BHL):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 445080.20	EASTING: 82381.17
SURFACE HOLE LOCATION (SHL):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 444898.81	EASTING: 82381.52
LANDING POINT LOCATION (LPL):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 444898.70	EASTING: 82381.30
BOTTOM HOLE LOCATION (BHL):	UTM (NAD83, ZONE 17, METERS):
NORTHING: 445080.27	EASTING: 82381.08

- NOTES ON SURVEY
1. COORDINATE SYSTEM IS UTM AND 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS CENTER OF P.W.
  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 PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
  4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF P.W.
  5. NO PERMANENT 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.
  8. THIS AS-DRILLED PLAN IS PREPARED FROM THE FINAL WELL PLAN PREPARED BY EJK LAKE SERVICES, LLC AND THE DRILLING INFORMATION IS PROVIDED TO THE COMPANY.



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.

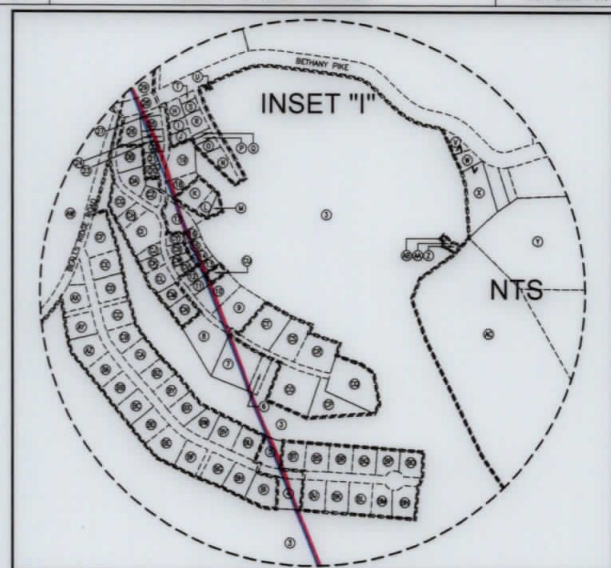
COMPANY: **SWN** Production Company, LLC  
 GRAPHIC SCALE IN FEET  
 0 2000 2000

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: SAMUEL E. & JUDITH F. JONES OIL & GAS ROYALTY OWNER: RESOURCE MINERAL HEADWATER I, LP
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 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: 6117, TVD 15899, TMD	WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 DESIGNATED AGENT: BRITNAY WOODY
API WELL #: 47 STATE: WV COUNTY: PERMIT OPERATOR'S WELL #: 3H SAMUEL JONES BRK	ELEVATION: 1504.5' QUADRANGLE: BETHANY, WV ACREAGE: ±164.74 ACREAGE: ±164.74
MINIMUM DEGREE OF ACCURACY: 1/300 PROVEN SOURCE OF GRADE GPS ELEVATION: (NAD 88 US FT)	UNITED STATES TOPOGRAPHIC MAPS (+) DENOTES LOCATION OF WELL ON ACCURACY: 1/300 MINIMUM DEGREE OF ACCURACY: 1/300
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 DATE: 12-13-2019 API NO: 47-009-00288 DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2019-0266 WELL LOCATION PLAN	REVISIONS: EXISTING WATER WELL EXISTING SPRING SURVEYED BOUNDARY LEASE BOUNDARY PROPOSED SURFACE HOLE / BOTTOM HOLE AS-DRILLED PATH PROPOSED PATH EXISTING BOTTOM HOLE EXISTING PRODUCING WELLS EXISTING LANDING POINT LOCATION EXISTING LANDING POINT LOCATION L.P.L. EXISTING LANDING POINT LOCATION L.P.L. PROPOSED SURFACE HOLE / BOTTOM HOLE L.P.L. PROPOSED LANDING POINT LOCATION

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SAMUEL E. & JUDITH F. JONES (S) RESOURCE MINERALS HEADWATER I, LP (R)	03-B43-60
TRACT	SURFACE OWNER	TAX PARCEL
2	BRIAN DAVID CORWIN	03-B43-22
3	BETHANY COLLEGE	03-B38-31
4	FUJIKO OGURI SAWTARIE	02-B43F-14
5	THE TRUST OF GENE CHARLES VALENTINE	02-B43F-26
6	JOANNE SYKES	02-B43F-50
7	JANICE L. FORSTY (L/E: MARY J. FORSTY)	02-B43F-49
8	THOMAS M. AYERS	02-B43F-48
9	RYAN & BROOKE SMITH	02-B43F-57
10	RANDALL J. & CYNTHIA WEPPLER	02-B43F-58
11	BETHANY COLLEGE	02-B43F-59
12	BETHANY COLLEGE	02-B43F-60
13	BETHANY COLLEGE	02-B43F-78
14	BETHANY COLLEGE	02-B43F-77
15	BETHANY COLLEGE	02-B43F-76
16	BETHANY COLLEGE	02-B43F-75
17	JOHN W. & CORAL LOZIER	02-B43F-65
18	THOMAS PAUL LYONS	02-B43F-71
19	GRAY WILLIAMSON & SYDMA HATZOPOULOS	02-B43B-15
20	BETHANY COLLEGE	02-B43F-69
21	BETHANY COLLEGE	02-B43F-68
22	BETHANY COLLEGE	02-B43B-07
23	BETHANY COLLEGE	02-B43B-08
24	W. RANDOLPH COOEY & LINDA F. COOEY	02-B43B-09
25	W. RANDOLPH COOEY & LINDA F. COOEY	02-B43B-10
26	EARL R. & PAMELA KEENER (SURV)	02-B43B-05
27	W. RANDOLPH COOEY & LINDA F. COOEY	02-B43B-11
28	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	BETHANY PIKE
29	YVONNE B. & MYERS	02-B43B-02
30	TRUSTEES OF BETHANY COLLEGE (SURV)	02-B43B-01

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	ALLEN JOHNSON, WARREN JOHNSON, CHARLES JOHNSON & ET AL	03-B38-36
B	RUTH GERMON, JEFFREY WOY, SUE MOORE, PATRICIA WEST & SARA WOY	03-B38-37
C	DANNY M. & SANDRA L. HOLLADAY	03-B43-03
D	GARLAND KISNER	03-B43-04
E	BETHANY COLLEGE	03-B38-31
F	JOHN T. & PAULA JEAN ROTHWELL (SURV)	02-B43B-03
G	JOHN HUFF HEIRS	02-B43B-04
H	PATRICK J. SUTHERLAND	02-B43B-12
I	BETHANY COLLEGE	02-B43B-13
J	BETHANY COLLEGE	02-B43B-14
K	THOMAS PAUL LYONS	02-B43F-72
L	BETHANY COLLEGE	02-B43F-73
M	DOMINICK A. & THERESA D'AURORA (SURV)	02-B43F-40
N	ROBERT & MELINDA KREISBERG	02-B43-80
O	BETHANY COLLEGE	02-B43B-16
P	BETHANY COLLEGE	02-B43B-17
Q	HARRY W. & SANDRA K. GROUX (SURV)	02-B43B-18
R	HARRY W. & SANDRA K. GROUX (SURV)	02-B43B-19
S	BETHANY COLLEGE	02-B43B-20
T	BETHANY COLLEGE	02-B43B-21
U	MANUFACTURERS LIGHT & HEAT COMPANY	02-B43B-27
V	WILLIAM MITCHELL HEIRS	02-B43B-22
W	DONALD STEVEN MITCHELL	02-B43F-83
X	WILLIAM MITCHELL HEIRS	02-B43B-22
Y	BETHANY COLLEGE	03-B43F-31
Z	TOWN OF BETHANY	02-B43F-88
AA	TOWN OF BETHANY	02-B43F-87
AB	TOWN OF BETHANY	02-B43F-86
AC	TOWN OF BETHANY	03-B43-32
AD	TRUST OF GENE C. VALENTINE (11/26/86)	03-B43-33
AE	MARY LOU FONNER	03-B43-58
AF	TRACY T. PUSKARICH	03-B43-59
AG	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-24
AH	ALBERT GLENN & REBECCA ANN AYERS	03-B43-61
AI	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-23
AJ	ANNA MAE NORDEN	03-B48-22
AK	LAWRENCE RAY & JUDITH A. PYLE	03-B48-18
AL	CHARLES W. & CHARLOTTE BONAR (SURV)	03-B48-15
AM	CHARLES W. & CHARLOTTE BONAR (SURV)	03-B48-14
AN	CHARLES W. & CHARLOTTE BONAR (SURV)	03-B48-01
AO	WILLIAM BRITT COX	03-B43-21
AP	MARION PYLE STONE	03-B43-20
AQ	MARION PYLE STONE	03-B43-19
AR	SILVEA MAZZELLA WHITEHEAD	03-B43-18
AS	JOYCE ANN MCGEEHAN	03-B43-17
AT	JOYCE MCGEEHAN	03-B43-23
AU	BRIAN DAVID CORWIN (L/E: MARION PYLE STONE)	03-B43-25

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AV	BRIAN CORWIN	03-B43-26
AW	BETHANY COLLEGE	03-B38-31
AX	WILFRID W. CSAPLAR & SAKUNTHALA W. GUNASEGARAM (SURV)	02-B43F-02
AY	RICHARD L. & FELICITY RUGGIERO	02-B43F-03
AZ	DOMINICK A. & THERESA D'AURORA (SURV)	02-B43F-04
BA	LINDA GRAHAM	02-B43F-05
BB	ROBERT P., JR. & PENNY K. RAHR (SURV)	02-B43F-06
BC	FRANK M. & MARIAN REVEN	02-B43F-07
BD	JOSEPH P. & BARBARA A. PETTINI (SURV)	02-B43F-08
BE	JOHN THOMAS & ANNE E. BURNS	02-B43F-09
BF	JOHN C. & SUSAN L. GIESMANN	02-B43F-10
BG	EDWARD A. DULLY	02-B43F-11
BH	ERIC H. BOWN	02-B43F-12
BI	BETHANY COLLEGE	02-B43F-13
BJ	JOHN & PATRICIA CUNNINGHAM	02-B43F-15
BK	SHARMA R. & CRYSTAL DARSHAN (JTWS)	02-B43F-16
BL	ANDREW C. & PAULA L. SACHS (SURV)	02-B43F-17
BM	BETHANY COLLEGE	02-B43F-18
BN	BETHANY COLLEGE	02-B43F-19
BO	BETHANY COLLEGE	02-B43F-20
BP	BETHANY COLLEGE	02-B43F-21
BQ	BETHANY COLLEGE	02-B43F-22
BR	BETHANY COLLEGE	02-B43F-23
BS	THE TRUST OF GENE CHARLES VALENTINE	02-B43F-24
BT	DEBORAH C. FENDON	02-B43F-25
BU	ROBERT L. MCVICAR	02-B43F-27
BV	CURTIS LEE & LOUANN NEEL (SURV)	02-B43F-28
BW	JOHN & CYNTHIA HOFFMAN	02-B43F-29
BX	ROSEMARY JEANNE COBB	02-B43F-30
BY	ALBERT R., JR. & SUSAN BUCKLEW	02-B43F-31
BZ	THOMAS L. & LAURI L. ELTRINGHAM (SURV)	02-B43F-32
CA	JOHN & DEBRA HULL, LIVING TRUST	02-B43F-33
CB	KENNETH & JUDITH MORGAN (SURV)	02-B43F-34
CC	JAMES R., JR. & CAROLYN FORRESTER	02-B43F-35
CD	DOUGLAS H. & HOLLY HERVEY (SURV)	02-B43F-36
CE	THOMAS FURBEE & KATHERINE SHELEK	02-B43F-37
CF	THOMAS FURBEE & KATHERINE SHELEK-FURBEE (SURV)	02-B43F-38
CG	BETHANY COLLEGE	02-B43F-39
CH	BETHANY COLLEGE	02-B43F-40
CI	THE TRUSTEES OF BETHANY COLLEGE	02-B43F-41
CJ	BETHANY COLLEGE	02-B43F-42
CK	BETHANY COLLEGE	02-B43F-43
CL	SHIRLEY J. KEMP	02-B43F-44
CM	BETHANY COLLEGE	02-B43F-46
CN	DOUGLAS G. NIELSEN	02-B43F-47
CO	JOANNE SYKES	02-B43F-51
CP	WAYNE NEIL BOUWENS & JAY ALAN BOUWENS	02-B43F-52
CQ	BOUWENS, WAYNE NEIL (TUD) JOHNSTON, GRETCHEN, KYLE & NEIL	02-B43F-53
CR	KOSMAS MOURATIDIS (L/C: ROBERT & NECOL DUNSON)	02-B43F-54
CS	JOHN & PATRICIA L. CUNNINGHAM (SURV)	02-B43F-55
CT	ASHLEY L. & A. SCOTT KANOTZ	02-B43F-56
CU	BETHANY COLLEGE	02-B43F-79
CV	BETHANY COLLEGE	02-B43F-61
CW	ROBERT A. PAYSSEN	02-B43F-62
CX	BETHANY COLLEGE	02-B43F-63
CY	BETHANY COLLEGE	02-B43F-64
CZ	BETHANY COLLEGE	02-B43F-66
DA	DONNA SUE MARTIN LOVATO	02-B43F-67
DB	NED THOMAS & BILLIE JO FALCON	02-B43B-06
DC	BETHANY COLLEGE	03-B38-31
DD	TERRY P. & KAREN THOMPSON	03-B38-38



REVISIONS:

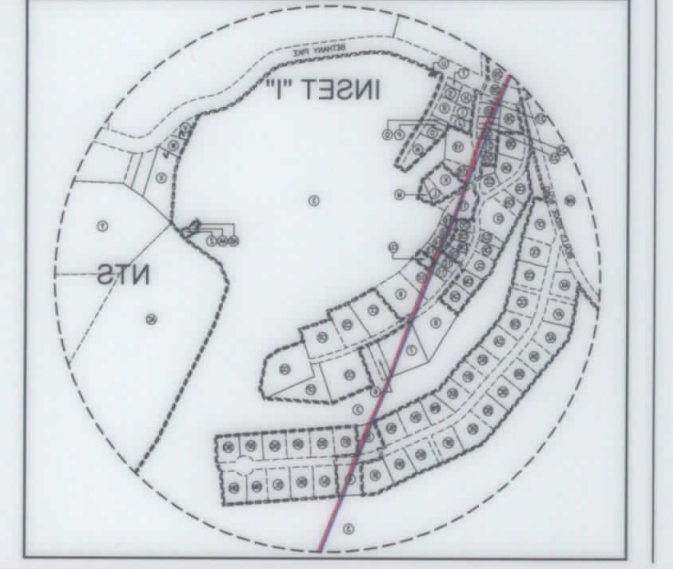

COMPANY: <b>SWN</b> Production Company, LLC		DATE: 12-13-2019	
OPERATOR'S SAMUEL JONES BRK		API NO: 47-009-00268	
WELL #: 3H		DRAWN BY: D. REED	
DISTRICT: BUFFALO	COUNTY: BROOKE	STATE: WV	SCALE: N/A
DRAWING NO: 2019-0265			WELL LOCATION PLAT

COMPLETION ID 2501163282  
PAD ID 3001163336

TRACT	SURFACE OWNER (S) \ ROYALTY OWNER (R)	TAX PARCEL
1	RESOURCE MINERALS HEADQUARTERS L.P. (R) SAMUEL E. & JUDITH F. JONES (S)	03-B43-80
2	BRIAN DAVID CORWIN	03-B43-22
3	BETHANY COLLEGE	03-B38-31
4	FLUKO OOURI SAWTARIE	03-B43F-14
5	THE TRUST OF GENE CHARLES VALENTINE	03-B43F-28
6	JOANNE SYKES	03-B43F-20
7	JANICE L. FORSTY (L: MARY J. FORSTY)	03-B43F-48
8	THOMAS M. MYERS	03-B43F-48
9	RYAN & BROOKE SMITH	03-B43F-27
10	RANDALL J. & CYNTHIA WEPPLER	03-B43F-28
11	BETHANY COLLEGE	03-B43F-29
12	BETHANY COLLEGE	03-B43F-80
13	BETHANY COLLEGE	03-B43F-78
14	BETHANY COLLEGE	03-B43F-77
15	BETHANY COLLEGE	03-B43F-76
16	BETHANY COLLEGE	03-B43F-75
17	JOHN W. & CORAL LOZIER	03-B43F-85
18	THOMAS PAUL LYONS	03-B43F-71
19	GRAY WILLIAMSON & SYDAM HATZOPoulos	03-B43B-12
20	BETHANY COLLEGE	03-B43F-88
21	BETHANY COLLEGE	03-B43F-88
22	BETHANY COLLEGE	03-B43B-07
23	BETHANY COLLEGE	03-B43B-08
24	W. RANDOLPH COOY & LINDA F. COOY	03-B43B-09
25	W. RANDOLPH COOY & LINDA F. COOY	03-B43B-10
26	EARL R. & PAMELA KEENER (SURV)	03-B43B-02
27	W. RANDOLPH COOY & LINDA F. COOY	03-B43B-11
28	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	BETHANY PIKE
29	YVONNE B. & MYERS	03-B43B-02
30	TRUSTEES OF BETHANY COLLEGE (SURV)	03-B43B-01

TRACT	SURFACE OWNER	TAX PARCEL
A	ALLEN JOHNSON, WARREN JOHNSON, CHARLES JOHNSON & ET AL	03-B38-26
B	RUTH GERMON, JEFFREY WOY, SUE MOORE, PATRICIA WEST & SARA WOY	03-B38-37
C	DANNY M. & SANDRA J. HOLLADAY	03-B43-03
D	GARLAND KISNER	03-B43-04
E	BETHANY COLLEGE	03-B38-31
F	JOHN T. & PAULA JEAN ROTHWELL (SURV)	03-B43B-03
G	JOHN HUFF HEIRS	03-B43B-04
H	PATRICK J. SUTHERLAND	03-B43B-12
I	BETHANY COLLEGE	03-B43B-13
J	BETHANY COLLEGE	03-B43B-14
K	THOMAS PAUL LYONS	03-B43F-72
L	BETHANY COLLEGE	03-B43F-73
M	DOMINICK A. & THERESA D'AURORA (SURV)	03-B43F-40
N	ROBERT & MELINDA KREISBERG	03-B43-80
O	BETHANY COLLEGE	03-B43B-16
P	BETHANY COLLEGE	03-B43B-17
Q	HARRY W. & SANDRA K. GROUX (SURV)	03-B43B-18
R	HARRY W. & SANDRA K. GROUX (SURV)	03-B43B-19
S	BETHANY COLLEGE	03-B43B-20
T	BETHANY COLLEGE	03-B43B-21
U	MANUFACTURERS LIGHT & HEAT COMPANY	03-B43B-27
V	WILLIAM MITCHELL HEIRS	03-B43B-22
W	DONALD STEVEN MITCHELL	03-B43F-83
X	WILLIAM MITCHELL HEIRS	03-B43B-22
Y	BETHANY COLLEGE	03-B43F-31
Z	TOWN OF BETHANY	03-B43F-88
AA	TOWN OF BETHANY	03-B43F-87
AB	TOWN OF BETHANY	03-B43F-86
AC	TOWN OF BETHANY	03-B43-22
AD	TRUST OF GENE C. VALENTINE (1/28/88)	03-B43-23
AE	MARY LOU FOMMER	03-B43-28
AF	TRACY T. PUSKARICH	03-B43-29
AG	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-24
AH	ALBERT GLENN & REBECCA ANN MYERS	03-B43-81
AI	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-23
AJ	ANNA MAE NORDEN	03-B48-22
AK	LAWRENCE RAY & JUDITH A. PYLE	03-B48-18
AL	CHARLES W. & CHARLOTTE BONA (SURV)	03-B48-15
AM	CHARLES W. & CHARLOTTE BONA (SURV)	03-B48-14
AN	CHARLES W. & CHARLOTTE BONA (SURV)	03-B48-01
AO	WILLIAM BRITT COX	03-B43-21
AP	MARION PYLE STONE	03-B43-20
AQ	MARION PYLE STONE	03-B43-19
AR	SILVEY MAZZELLA WHITEHEAD	03-B43-18
AS	JOYCE ANNI MCGEEHAN	03-B43-17
AT	JOYCE MCGEEHAN	03-B43-23
AU	BRIAN DAVID CORWIN (L: MARION PYLE STONE)	03-B43-25

TRACT	SURFACE OWNER	TAX PARCEL
AV	BRIAN CORWIN	03-B43-28
AW	BETHANY COLLEGE	03-B38-31
AX	WILFRID W. CASPAR & SAKUTHALA W. GUNASEGARA (SURV)	03-B43F-02
AY	RICHARD J. & FELICITY RUGGIERO	03-B43F-03
AZ	DOMINICK A. & THERESA D'AURORA (SURV)	03-B43F-04
BA	LINDA GRAHAM	03-B43F-05
BB	ROBERT P., JR. & PENNY K. RAHAR (SURV)	03-B43F-06
BC	FRANK M. & MARIAN REVEN	03-B43F-07
BD	JOSEPH P. & BARBARA A. PETTINI (SURV)	03-B43F-08
BE	JOHN THOMAS & ANNE E. BURNS	03-B43F-09
BF	JOHN C. & SUSAN L. GIESMANN	03-B43F-10
BG	EDWARD A. DULLY	03-B43F-11
BH	ERIC H. BOWEN	03-B43F-12
BI	BETHANY COLLEGE	03-B43F-13
BJ	JOHN & PATRICIA CLINNINGHAM	03-B43F-15
BK	SHARMA R. & CRYSTAL DARGSHAN (TWS)	03-B43F-16
BL	ANDREW C. & PAULA J. SACHS (SURV)	03-B43F-17
BM	BETHANY COLLEGE	03-B43F-18
BN	BETHANY COLLEGE	03-B43F-19
BO	BETHANY COLLEGE	03-B43F-20
BP	BETHANY COLLEGE	03-B43F-21
BQ	BETHANY COLLEGE	03-B43F-22
BR	BETHANY COLLEGE	03-B43F-23
BS	THE TRUST OF GENE CHARLES VALENTINE	03-B43F-24
BT	DEBORAH C. FENION	03-B43F-25
BU	ROBERT L. MCVICAR	03-B43F-27
BV	CURTIS LEE & LOUANN NEEL (SURV)	03-B43F-28
BW	JOHN & CYNTHIA HOFFMAN	03-B43F-29
BX	ROSEMARY JEANNE COBB	03-B43F-30
BY	ALBERT R., JR. & SUSAN BUCKELEW	03-B43F-31
BZ	THOMAS J. & LAURI J. ELTINGHAM (SURV)	03-B43F-32
CA	JOHN & DEBRA HULL, LIVING TRUST	03-B43F-33
CB	KENNETH & JUDITH MORGAN (SURV)	03-B43F-34
CC	JAMES R., JR. & CAROLYN FORRESTER	03-B43F-35
CD	DOUGLAS H. & HOLLY HERVEY (SURV)	03-B43F-36
CE	THOMAS FURBEE & KATHERINE SHELK-SHELK (SURV)	03-B43F-37
CF	THOMAS FURBEE & KATHERINE SHELK-SHELK (SURV)	03-B43F-38
CG	BETHANY COLLEGE	03-B43F-39
CH	BETHANY COLLEGE	03-B43F-40
CI	THE TRUSTEES OF BETHANY COLLEGE	03-B43F-41
CJ	BETHANY COLLEGE	03-B43F-42
CK	BETHANY COLLEGE	03-B43F-43
CL	SHIRLEY J. KEMP	03-B43F-44
CM	BETHANY COLLEGE	03-B43F-46
CN	DOUGLAS G. NIELSEN	03-B43F-47
CO	JOANNE SYKES	03-B43F-51
CP	WAYNE NEIL BOWENS & JAY ALAN BOWENS	03-B43F-52
CQ	BOWENS, WAYNE NEIL (TUD) JOHNSTON, GRETCHEM, KYLE & NEIL	03-B43F-53
CR	KOSMAS MOURATIDIS (L: C. ROBERT & NICOLO DUNSON)	03-B43F-54
CS	JOHN & PATRICIA L. GUNNINGHAM (SURV)	03-B43F-55
CT	ASHLEY J. & A. SCOTT KANOTZ	03-B43F-56
CU	BETHANY COLLEGE	03-B43F-79
CV	BETHANY COLLEGE	03-B43F-81
CW	ROBERT A. PAYZEN	03-B43F-82
CX	BETHANY COLLEGE	03-B43F-83
CY	BETHANY COLLEGE	03-B43F-84
CZ	BETHANY COLLEGE	03-B43F-86
DA	DOMINA SUE MARTIN LOVATO	03-B43F-87
DB	NEED THOMAS & BILLIE JO FATCON	03-B43B-08
DC	BETHANY COLLEGE	03-B38-31
DD	TERRY P. & KAREN THOMPSON	03-B38-28



				REVISIONS:	
DATE: 12-13-2019 API NO: 47-009-00288 DRAWN BY: D. REED	SAMUEL JONES BRK 3H	OPERATOR'S	COMPANY:	WELL #:	DISTRICT:
SCALE: N/A DRAWING NO: 2019-0282	STATE: WV	COUNTY: BROOKE	BUFFALO	DISTRICT:	DISTRICT:
WELL LOCATION PLAT	COMPLETION ID 2501182382 PWD ID 3001182382	DATE: 12-13-2019 API NO: 47-009-00288 DRAWN BY: D. REED	SAMUEL JONES BRK 3H	OPERATOR'S	COMPANY: