

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

API 47-009-00263 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 5H  
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 4,448,997.14 Easting 537,363.30  
Landing Point of Curve Northing 4,449,094.52 Easting 537,556.88  
Bottom Hole Northing 4,451,175.02 Easting 536,694.32

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 05/06/19 Date drilling commenced 06/28/19 Date drilling ceased 07/06/19  
Date completion activities began 09/20/19 Date completion activities ceased 10/09/19  
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

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5-11-20  
Reviewed by: \_\_\_\_\_  
WV Department of  
Environmental Protection

API 47-009 - 00263 Farm name SAMUEL E. & JUDITH F. JONES Well number SAMUEL JONES BRK 5H

Table with 8 columns: CASING STRINGS, Hole Size, Casing Size, Depth, New or Used, Grade wt/ft, Basket Depth(s), Did cement circulate (Y/ N) \* Provide details below\*. Rows include Conductor, Surface, Coal, Intermediate 1-3, Production, Tubing, and Packer type and depth set.

Comment Details \_\_\_\_\_

Table with 8 columns: CEMENT DATA, Class/Type of Cement, Number of Sacks, Slurry wt (ppg), Yield (ft³/sks), Volume (ft³), Cement Top (MD), WOC (hrs). Rows include Conductor, Surface, Coal, Intermediate 1-3, Production, Tubing.

Drillers TD (ft) 14,136' Loggers TD (ft) 14,136'
Deepest formation penetrated Marcellus Shale Plug back to (ft) N/A
Plug back procedure N/A

Kick off depth (ft) 5,296'

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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APPROVED BY: \_\_\_\_\_
OFFICIAL: \_\_\_\_\_

API 47-009 - 00263 Farm name SAMUEL E. & JUDITH F. JONES Well number SAMUEL JONES BRK 5H

### PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	SEE	ATTACHMENT	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				

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Please insert additional pages as applicable.

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API 47- 009 - 00263

Farm name SAMUEL E. & JUDITH F. JONES Well number SAMUEL JONES BRK 5H

PRODUCING FORMATION(S)	DEPTHS			
<u>Marcellus Shale</u>	<u>6,073'</u>	<u>TVD</u>	<u>6,468'</u>	<u>MD</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 1,303 psi Bottom Hole \_\_\_\_\_ psi DURATION OF TEST \_\_\_\_\_ hrs

OPEN FLOW Gas 4,833 mcfpd Oil 600 bpd NGL \_\_\_\_\_ bpd Water 653 bpd GAS MEASURED BY  Estimated  Orifice  Pilot

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

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

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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

WV Department of Environmental Protection

# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	9/20/2019
Job End Date:	10/1/2019
State:	West Virginia
County:	Brooke
API Number:	47-009-00263-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Samuel Jones BRK 5
Latitude:	40.19053217
Longitude:	-80.56106236
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,084
Total Base Water Volume (gal):	11,271,474
Total Base Non Water Volume:	0

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## Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Sand	SWN Well Services	Proppant					
				Listed Below			
Base Water	Operator	Base Fluid					
				Listed Below			



SWN FRW-13LA	SWN Well Services	Friction Reducer												
SCAL16486A	Nalco	Scale Inhibitor					Listed Below							
Econo-CI200	SWN Well Services	Corrosion Inhibitor					Listed Below							
BIOC11219A	Nalco	Biocide					Listed Below							
HCL	SWN Well Services	Solvent					Listed Below							
Ecopol-FEAC	SWN Well Services	Iron Control					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	85.59166	Density = 8.345				
			Crystalline Silica, quartz				14808-60-7	100.00000	13.60106					
			Water				7732-18-5	85.00000	0.64464					
			Hydrochloric Acid				7647-01-0	15.00000	0.10128					
			Petroleum Distillates, Hydrotreated				64742-47-8	25.00000	0.02391					
			Methanol				67-56-1	60.00000	0.01561					
			Benzyl-(C12-C16 Alky)-Dimethyl-Ammonium				68424-85-1	30.00000	0.00780					
			Chloride Glutaraldehyde				111-30-8	10.00000	0.00260					

**SAMUEL JONES BRK 5H  
ATTACHMENT 1  
PERF REPORT**

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	20-Sep	14,047	13,952	36
2	9/20/2019	13,919	13,741	36
3	9/21/2019	13,707	13,529	36
4	9/21/2019	13,495	13,317	36
5	9/21/2019	13,284	13,105	36
6	9/21/2019	13,072	12,893	36
7	9/22/2019	12,860	12,682	36
8	9/22/2019	12,648	12,470	36
9	9/22/2019	12,436	12,258	36
10	9/23/2019	12,225	12,046	36
11	9/23/2019	12,013	11,839	36
12	9/23/2019	11,801	11,619	36
13	9/24/2019	11,589	11,410	36
14	9/24/2019	11,380	11,199	36
15	9/24/2019	11,164	10,987	36
16	9/24/2019	10,954	10,775	36
17	9/25/2019	10,742	10,564	36
18	9/26/2019	10,530	10,351	36
19	9/26/2019	10,313	10,140	36
20	9/26/2019	10,107	9,928	36
21	9/26/2019	9,895	9,716	36
22	9/27/2019	9,683	9,505	36
23	9/27/2019	9,471	9,297	36
24	9/27/2019	9,259	9,081	36
25	9/27/2019	9,048	8,869	36
26	9/28/2019	8,836	8,657	36
27	9/28/2019	8,624	8,446	36
28	9/29/2019	8,412	8,234	36
29	9/29/2019	8,200	8,022	36
30	9/29/2019	7,989	7,810	36
31	9/29/2019	7,777	7,598	36
32	9/30/2019	7,565	7,387	36
33	9/30/2019	7,350	7,175	36
34	10/1/2019	7,141	6,963	36
35	10/1/2019	6,930	6,751	36
36	10/1/2019	6,718	6,539	36

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SAMUEL JONES BRK 5H

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	9/20/2019	81	7,914	7,575	3,725	241,044	5,202	0
2	9/20/2019	95	7,882	5,426	4,208	428,421	7,963	0
3	9/21/2019	93	7,790	5,120	4,734	422,726	7,818	0
4	9/21/2019	95	7,716	4,045	4,779	420,851	7,667	0
5	9/21/2019	97	7,800	4,254	4,736	419,830	7,519	0
6	9/21/2019	92	7,883	5,428	4,296	421,297	7,454	0
7	9/22/2019	91	7,739	5,314	4,256	420,286	7,552	0
8	9/22/2019	94	8,011	5,438	4,230	422,562	7,370	0
9	9/23/2019	99	7,707	5,223	4,420	423,090	7,402	0
10	9/23/2019	95	7,698	5,479	5,262	419,798	7,309	0
11	9/23/2019	91	7,166	5,359	4,105	419,328	8,673	0
12	9/24/2019	95	7,497	5,083	4,361	423,390	7,669	0
13	9/24/2019	92	7,363	5,318	4,525	425,343	7,239	0
14	9/24/2019	97	7,649	5,149	4,226	419,610	7,275	0
15	9/25/2019	94	7,588	5,337	4,249	422,424	7,325	0
16	9/25/2019	97	7,526	5,321	4,793	372,246	7,091	0
17	9/25/2019	94	7,378	5,196	4,170	420,406	7,609	0
18	9/26/2019	99	7,083	4,965	4,898	422,006	7,141	0
19	9/26/2019	93	6,866	5,120	5,095	422,550	8,748	0
20	9/26/2019	94	7,124	5,214	4,330	421,194	7,587	0
21	9/27/2019	94	7,158	5,115	4,280	422,452	7,566	0
22	9/27/2019	98	7,206	5,380	5,118	425,920	7,505	0
23	9/27/2019	98	7,259	5,262	4,682	421,595	7,482	0
24	9/27/2019	90	6,944	5,312	4,363	422,266	7,589	0
25	9/28/2019	94	6,834	4,988	4,313	418,070	7,573	0
26	9/28/2019	98	7,379	5,562	4,592	423,501	7,391	0
27	9/28/2019	92	6,994	5,279	4,353	417,915	7,730	0
28	9/29/2019	94	6,867	5,134	4,817	424,675	7,504	0
29	9/29/2019	98	7,048	4,934	4,720	419,564	7,348	0
30	9/29/2019	99	6,876	5,308	4,298	420,952	8,941	0
31	9/30/2019	92	6,871	5,220	4,367	417,940	7,396	0
32	9/30/2019	98	6,932	5,195	4,792	417,595	7,514	0
33	9/30/2019	94	6,784	5,301	4,388	424,929	7,439	0
34	10/1/2019	94	6,714	5,250	4,502	420,714	7,317	0
35	10/1/2019	100	6,785	5,121	4,831	420,216	7,065	0
36	10/1/2019	99	6,754	5,437	4,651	420,102	7,374	0

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Southwestern Energy®

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Environmental Protection

Well Name: Samuel Jones BRK 5H

47009002630000

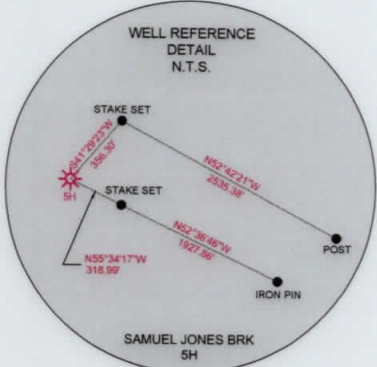
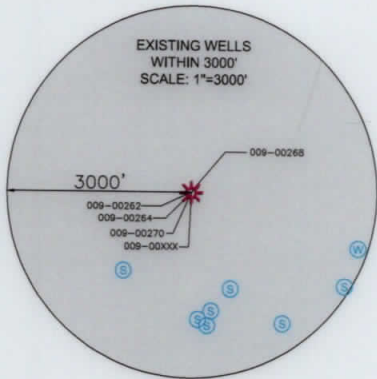
LITHOLOGY/FORMATION	TOP DEPTH, MD (FT)	TOP DEPTH, TVD (FT)	BOTTOM DEPTH, MD (FT)	BOTTOM DEPTH, TVD (FT)	QUANTITY AND TYPE OF FLUID
Base of Fresh Water	0.00	0.00	264.00	264.00	
Top of Salt Water	612.00	612.00	NA	NA	
Pittsburgh Coal	397.00	397.00	545.00	545.00	
Pottsville (ss)	545.00	545.00	855.00	855.00	
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	
Rhinstreet (shale)	5686.00	5517.00	5972.00	5777.00	
Cashaqua (shale)	5972.00	5777.00	6040.00	5830.00	
Middlesex (shale)	6040.00	5830.00	6140.00	5903.00	
Burket (shale)	6140.00	5903.00	6160.00	5917.00	
Tully (ls)	6160.00	5917.00	624.00	5967.00	
Mahantango (shale)	624.00	5967.00	6468.00	6073.00	
Marcellus (shale)	6468.00	6073.00	NA	NA	GAS



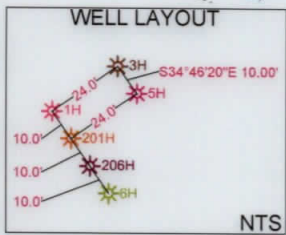
www.jhacompanies.com  
 68011 Vineyard Road  
 St. Clairsville, Ohio 43950  
 740-695-6100

LATITUDE: 40°12'30" SURFACE HOLE | 5419'

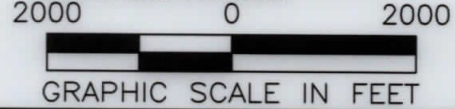
LATITUDE: 40°15'00" BOTTOM HOLE | 7641'



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4448997.14 EASTING: 537363.32
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4449048.77 EASTING: 537572.40
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4451173.23 EASTING: 536689.10
<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4448997.14 EASTING: 537363.30
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4449094.52 EASTING: 537556.88
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4451175.02 EASTING: 536694.32



- 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.



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]* 12/13/19

COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: SAMUEL JONES BRK 5H API WELL #: 47 STATE 009 COUNTY 00263 PERMIT
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WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,204.0'

DISTRICT: BUFFALO COUNTY: BROOKE QUADRANGLE: BETHANY, WV

SURFACE OWNER: SAMUEL E. & JUDITH F. JONES ACREAGE: ±164.74

OIL & GAS ROYALTY OWNER: RESOURCE MINERAL HEADWATER I, LP ACREAGE: ±164.74

DRILL  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION

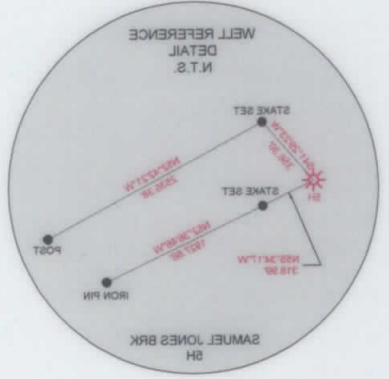
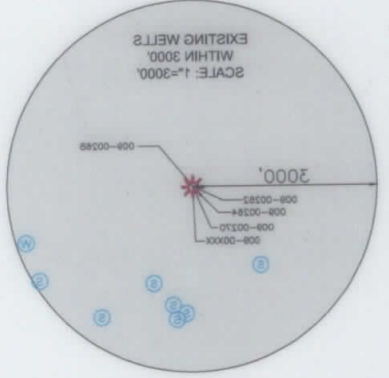
CONVERT  PLUG & ABANDON  CLEAN OUT & REPLUG  OTHER CHANGE  (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,115' TVD 14,136' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201	ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

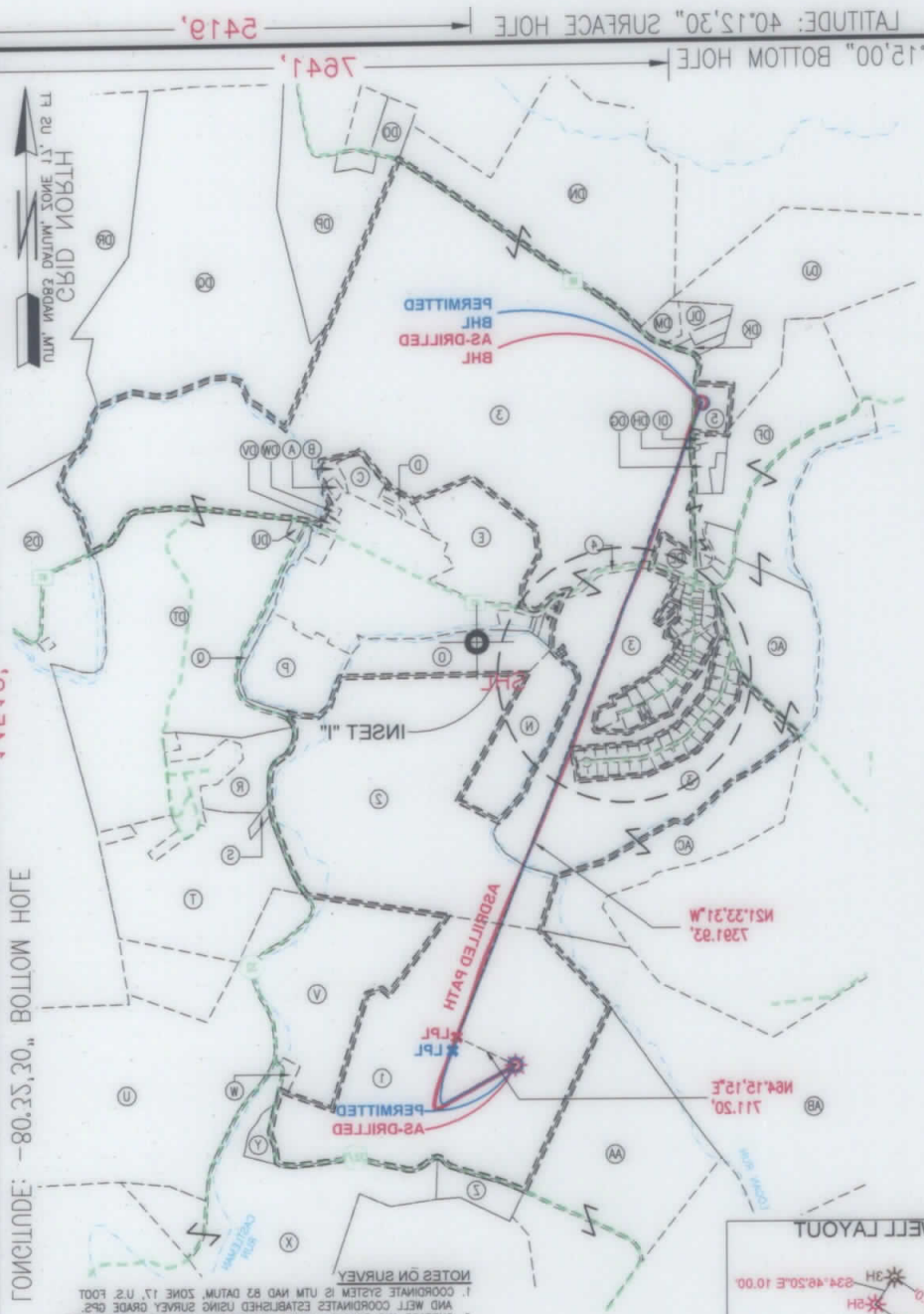
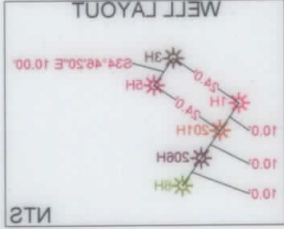
<b>LEGEND:</b> ○ EXISTING BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL* EXISTING LANDING POINT LOCATION ○ PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION ● EXISTING WATER WELL ○ EXISTING SPRING — SURVEYED BOUNDARY = LEASE BOUNDARY — ASDRILLED PATH — PROPOSED PATH	<b>REVISIONS:</b> DATE: 12-13-2019 API NO: 47-009-00263 DRAWN BY: D. REED SCALE: 1" = 2000' DRAWING NO: 2019-0265 WELL LOCATION PLAT
--	--





<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 444892.14 EASTING: 527522.25
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 444894.77 EASTING: 527522.40
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 445173.23 EASTING: 528680.10
<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 444892.14 EASTING: 527522.30
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 444894.52 EASTING: 527522.88
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 445172.02 EASTING: 528684.22

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.



**NOTES ON SURVEY**  
 1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.  
 2. SURFACE AND BATTERY INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PROVIDED FROM DEEDS AND 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 PAD.  
 5. NO PERMANENT STREAMS, LAKES, PONDS, RESERVOIRS OR WELLS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.  
 6. NO NATURALLY OCCURRING ROUTE 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 ELK LAKE SERVICES, LLC AND THE DRILLING INFORMATION IS PROVIDED TO THE COMPANY.  
 GRAPHIC SCALE IN FEET  
 0 1000 2000

CONCLUDE: -80.35.30", SURFACE HOLE  
 14215,  
 CONCLUDE: -80.35.30", BOTTOM HOLE  
 6489,  
 CONCLUDE: -80.35.30", SURFACE HOLE  
 2419,  
 CONCLUDE: -80.35.30", BOTTOM HOLE  
 2419,  
 GRID NORTH  
 PLUM INVO82, DYLUM, ZONE 17, U.S. FT

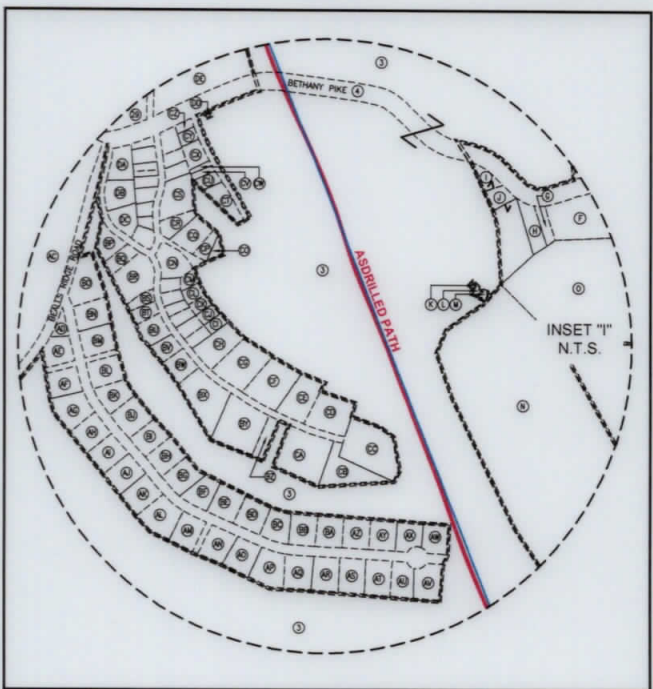
<b>LEGEND:</b> ● EXISTING BOTTOM HOLE * EXISTING \ PRODUCING WELLS LPL* EXISTING LANDING POINT LOCATION ● EXISTING SPRING --- SURVEYED BOUNDARY --- LEASE BOUNDARY --- AS-DRILLED PATH --- PROPOSED PATH ● EXISTING WATER WELL ● EXISTING SPRING	<b>WELL TYPE:</b> OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> <b>WATERSHED:</b> UPPER OHIO SOUTH <b>DISTRICT:</b> BUFFALO <b>SURFACE OWNER:</b> SAMUEL E. & JUDITH F. JONES <b>OIL &amp; GAS ROYALTY OWNER:</b> RESOURCE MINERAL HEADWATER, LP <b>QUADRANGLE:</b> BETHANY, WV <b>COUNTY:</b> BROOKE <b>ELEVATION:</b> ±164.74 <b>ACREAGE:</b> ±164.74 <b>ESTIMATED DEPTH:</b> 6'11", TMD 14'13", TMD <b>CONVERT</b> <input type="checkbox"/> <b>PLUG &amp; ABANDON</b> <input type="checkbox"/> <b>CLEAN OUT &amp; REPLUG</b> <input type="checkbox"/> <b>OTHER CHANGE (SPECIFY) AS-DRILLED</b> <input checked="" type="checkbox"/> <b>FRACURE OR STIMULATE</b> <input type="checkbox"/> <b>PLUG OFF OLD FORMATION</b> <input type="checkbox"/> <b>PERFORATE NEW FORMATION</b> <input type="checkbox"/> <b>DRILL DEEPER</b> <input type="checkbox"/> <b>REDRILL</b> <input type="checkbox"/>	<b>WVDEP</b> <b>OFFICE OF OIL &amp; GAS</b> 601 57TH STREET CHARLESTON, WV 25034 UNITED STATES TOPOGRAPHIC MAPS (+) DENOTES LOCATION OF WELL ON ACCURACY: 1/500 DEGREE OF PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAD 88, US FT) API WELL #: 47 STATE: COUNTY PERMIT OPERATOR'S WELL #: SAMUEL JONES BRK SH COMPANY: SWN Production Company, LLC SWN Production Company, LLC SWN COMPANY: SWN Production Company, LLC	<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC <b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201 <b>CITY:</b> MORGANTOWN <b>STATE:</b> WV <b>ZIP CODE:</b> 26508 <b>DESIGNATED AGENT:</b> BRITTANY WOODY <b>WELL LOCATION PLAN</b> DRAWING NO: 2019-0283 SCALE: 1" = 2000' DRAWN BY: D. REED DATE: 12-13-2019 API NO: 47-009-00283 REVISIONS: CITY: MORGANTOWN <b>STATE:</b> WV <b>ZIP CODE:</b> 26508 <b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201 <b>DESIGNATED AGENT:</b> BRITTANY WOODY <b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC <b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201 <b>CITY:</b> MORGANTOWN <b>STATE:</b> WV <b>ZIP CODE:</b> 26508 <b>DATE:</b> 12-13-2019 <b>API NO:</b> 47-009-00283 <b>DRAWN BY:</b> D. REED <b>SCALE:</b> 1" = 2000' <b>DRAWING NO:</b> 2019-0283 <b>WELL LOCATION PLAN</b>
--	---	---	--



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	GENE C. VALENTINE TRUST (11/26/86)	03-B43-33
3	BETHANY COLLEGE	03-B38-31
4	BETHANY PIKE ROAD	
5	JEFFREY B. WOY, SUSAN KATE MOORE, PATRICIA RUTH WEST, WESLEY M. GERMON, III & ELIZABETH G. IGNAUT	03-B38-37

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	GARY E. & VAUGHNDA S. LARSON	02-B43C-04
B	BETHANY COLLEGE	02-B43C-03
C	BETHANY COLLEGE	02-B43C-02
D	BETHANY COLLEGE	02-B43C-01
E	PUBLIC PARCEL	01-B43B-26
F	TRAVIS G. & GREGORY B. STRAUB	02-B43F-84
G	GEORGE SONNEWALD, JR.	02-B43F-82
H	GEORGE SONNEWALD, JR.	02-B43F-81
I	WILLIAM MITCHELL HEIRS	02-B43B-22
J	DONALD STEVEN MITCHELL	02-B43F-83
K	TOWN OF BETHANY	02-B43F-86
L	TOWN OF BETHANY	02-B43F-87
M	TOWN OF BETHANY	02-B43F-88
N	TOWN OF BETHANY	03-B43-32
O	BETHANY COLLEGE	03-B43-31
P	CITY OF BETHANY	02-B43G-15
Q	BETHANY COLLEGE	03-B38-31
R	GENE C. VALENTINE, TRUST	03-B43-35-8
S	GENE C. VALENTINE, TRUST	03-B43-56
T	GENE C. VALENTINE, TRUST	03-B43-49-3
U	STATE OF WV DEPT OF COMM DIVISION OF NATURAL RESOURCES WILDLIFE RES SEC	03-B48-18
V	MARY LOU FONNER	03-B43-58
W	TRACY T. PUSKARICH	03-B43-59
X	ROBERT M. & CHARLOTTE A. CHAMBERS	02-B48-24
Y	ALBERT GLENN & REBECCA A. AYERS (SURV)	03-B43-61
Z	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-23
AA	ANNA MAE NORDEN	03-B48-22
AB	BRIAN DAVID CORWIN	03-B43-22
AC	BETHANY COLLEGE	03-B38-31
AD	BETHANY COLLEGE	02-B43F-01
AE	WILFRID W. CSAPLAR & SAKUNTHALA W. GUNASEGARAM (SURV)	02-B43F-02
AF	RICHARD L. & FELICITY RUGGIERO	02-B43F-03
AG	DOMINICK A. & THERESA D'AURORA (SURV)	02-B43F-04
AH	LINDA GRAHAM	02-B43F-05
AI	ROBERT P., JR. & PENNY K. RAHR (SURV)	02-B43F-06
AJ	FRANK M. & MARIAN REVEN	02-B43F-07
AK	JOSEPH P. & BARBARA A. PETTINI (SURV)	02-B43F-08
AL	JOHN THOMAS & ANNE E. BURNS	02-B43F-09
AM	JOHN C. & SUSAN L. GIESMANN	02-B43F-10
AN	EDWARD A. DULLY	02-B43F-11
AO	ERIC H. BOWN	02-B43F-12
AP	BETHANY COLLEGE	02-B43F-13
AQ	FUJIKO OGURI SAWTARIE	02-B43F-14
AR	JOHN & PATRICIA CUNNINGHAM	02-B43F-15
AS	SHARMA R. & CRYSTAL DARSHAN (JWS)	02-B43F-16
AT	ANDREW C. & PAULA L. SACHS (SURV)	02-B43F-17
AU	BETHANY COLLEGE	02-B43F-18
AV	BETHANY COLLEGE	02-B43F-19
AW	BETHANY COLLEGE	02-B43F-20
AX	BETHANY COLLEGE	02-B43F-21
AY	BETHANY COLLEGE	02-B43F-22
AZ	BETHANY COLLEGE	02-B43F-23
BA	THE TRUST OF GENE CHARLES VALENTINE	02-B43F-24
BB	DEBORAH C. FENDON	02-B43F-25
BC	THE TRUST OF GENE CHARLES VALENTINE	02-B43F-26
BD	ROBERT L. MCVICAR	02-B43F-27
BE	CURTIS LEE & LOUANN NEEL (SURV)	02-B43F-28
BF	JOHN & CYNTHIA HOFFMAN	02-B43F-29
BG	ROSEMARY JEANNE COBB	02-B43F-30
BH	ALBERT R., JR. & SUSAN BUCKELEW	02-B43F-31
BI	THOMAS L. & LAURI L. ELTRINGHAM (SURV)	02-B43F-32
BJ	JOHN & DEBRA HULL, LIVING TRUST	02-B43F-33
BK	KENNETH & JUDITH MORGAN (SURV)	02-B43F-34
BL	JAMES R., JR. & CAROLYN FORRESTER	02-B43F-35
BM	DOUGLAS H. & HOLLY HERVEY (SURV)	02-B43F-36
BN	THOMAS FURBEE & KATHERINE SHELEK	02-B43F-37
BO	THOMAS FURBEE & KATHERINE SHELEK (SURV)	02-B43F-38
BP	BETHANY COLLEGE	02-B43F-39
BQ	BETHANY COLLEGE	02-B43F-40
BR	THE TRUSTEES OF BETHANY COLLEGE	02-B43F-41
BS	BETHANY COLLEGE	02-B43F-42
BT	BETHANY COLLEGE	02-B43F-43

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BU	SHIRLEY J. KEMP	02-B43F-44
BV	BETHANY COLLEGE	02-B43F-46
BW	DOUGLAS G. NIELSEN	02-B43F-47
BX	THOMAS M. AYERS	02-B43F-48
BY	JANICE L. FORSTY (L/E: MARY J. FORSTY)	02-B43F-49
BZ	JOANNE SYKES	02-B43F-50
CA	JOANNE SYKES	02-B43F-51
CB	WAYNE NEIL & JAY ALAN BOUWENS	02-B43F-52
CC	BOUWENS, WAYNE NEIL (TUD), JOHNSTON & GRETCHEN	02-B43F-53
CD	KOSMAS MOURATIDIS (L/C: ROBERT & NECOL)	02-B43F-54
CE	JOHN & PATRICIA L. CUNNINGHAM (SURV)	02-B43F-55
CF	ASHLEY L. & A. SCOTT KANOTZ	02-B43F-56
CG	RYAN & BROOKE SMITH	02-B43F-57
CH	RANDALL J. & CYNTHIA WEPPLER	02-B43F-58
CI	BETHANY COLLEGE	02-B43F-79
CJ	BETHANY COLLEGE	02-B43F-78
CK	BETHANY COLLEGE	02-B43F-77
CL	BETHANY COLLEGE	02-B43F-76
CM	BETHANY COLLEGE	02-B43F-75
CN	JOHN W. & CAROL LOZIER	02-B43F-65
CO	DOMINICK A. & THERESA D'AURORA (SURV)	02-B43F-04
CP	BETHANY COLLEGE	02-B43F-73
CQ	THOMAS PAUL LYONS	02-B43F-72
CR	THOMAS PAUL LYONS	02-B43F-71
CS	GRAY WILLIAMSON & SYDMA HATZOPOULOS (SURV)	02-B43B-15
CT	ROBERT & MELINDA KREISBERG (SURV)	02-B43F-80
CU	BETHANY COLLEGE	02-B43B-16
CV	BETHANY COLLEGE	02-B43B-17
CW	HARRY W. & SANDRA K. GROUX (SURV)	02-B43B-18
CX	HARRY W. & SANDRA K. GROUX (SURV)	02-B43B-19
CY	BETHANY COLLEGE	02-B43B-20
CZ	BETHANY COLLEGE	02-B43B-21
DA	DONNA SUE MARTIN LOVATO	02-B43F-67
DB	NED THOMAS & BILLIE JO FALCON	02-B43B-60
DC	EARL R. & PAMELA KEENER (SURV)	02-B43B-05
DD	MANUFACTURERS LIGHT & HEAT COMPANY	02-B43B-27
DE	JOHN HUFF HEIRS	02-B43B-40
DF	BETHANY COLLEGE	03-B38-31
DG	DANNY M. & SANDRA L. HOLLADAY (SURV)	03-B43-03
DH	DENNIS & DERRELLE RUSCHELL	03-B43-02
DI	DENNIS & DERRELLE RUSCHELL	03-B43-01
DJ	ALLEN JOHNSON, WARREN JOHNSON, CHARLES JOHNSON & ET AL	03-B38-36
DK	DAVID G. OWENS & LINDA WALTERS (L/E: ROY R. OWENS)	03-B38-35
DL	DAVID G. OWENS & LINDA WALTERS (L/E: ROY R. OWENS)	03-B38-33
DM	DAVID G. OWENS & LINDA WALTERS (L/E: ROY R. OWENS)	03-B38-32
DN	BETHANY COLLEGE	03-B38-31
DO	CHARLES F. & DONNA BROWN	03-B38-30
DP	KIMBERLY CARMAN WORTHLEY	03-B38-27
DQ	KIMBERLY CARMAN WORTHLEY	03-B38-25
DR	MARK W. OWEN & VIRGINIA BEALL KRUEZ	03-B38-24
DS	TRUST OF GENE CHARLES VALENTINE (11/26/86)	03-B38-28
DT	BETHANY COLLEGE	03-B38-31
DU	RICHARD FRANCIS GORBY	03-B43-27
DV	KATHLEEN KEEGAN	03-B43C-37
DW	BARBARA L. CHAMBERS (TOD)	03-B43C-36



REVISIONS:

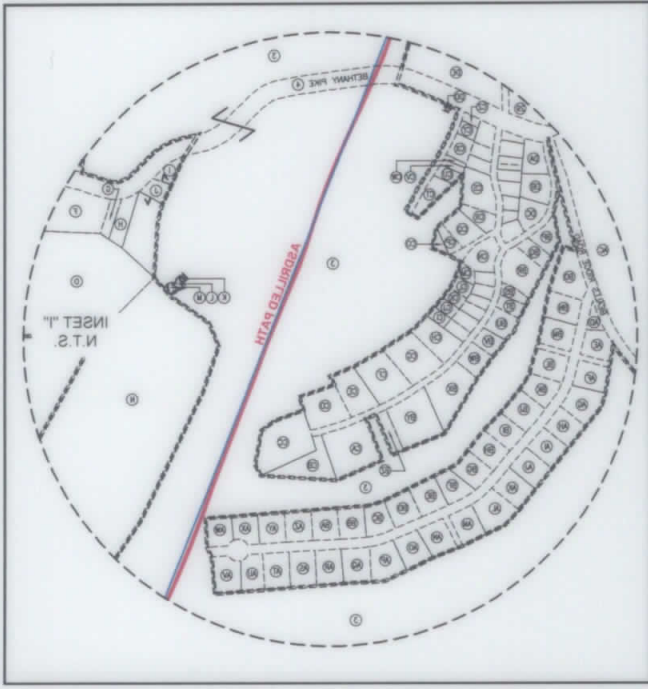

COMPANY:		<b>SWN</b> Production Company, LLC		<b>SWN</b> <sup>RV+</sup> Production Company™	
OPERATOR'S		SAMUEL JONES BRK		DATE: 12-13-2019	
WELL #:		5H		API NO: 47-009-00263	
DISTRICT:		BUFFALO		DRAWN BY: D. REED	
COUNTY:		BROOKE		SCALE: N/A	
STATE:		WV		DRAWING NO: 2019-0265	
WELL LOCATION PLAT					



TRACT	SURFACE OWNER	TAX PARCEL
1	RESOURCE MINERALS HEADQUARTERS LP (R) SAMUEL E & JUDITH F JONES (2)	03-B43-80
2	GENE C VALENTINE TRUST (178/86)	03-B43-23
3	BETHANY COLLEGE	03-B38-31
4	BETHANY PIKE ROAD	
5	JEFFREY B WOY, SUSAN KATE MOORE, PATRICIA RUTH WEST, WESTLEY M. GERMON, III & ELIZABETH G. IGNAULT	03-B38-33

TRACT	SURFACE OWNER	TAX PARCEL
A	GARY E & VAUGHN D S LARSON	03-B43C-04
B	BETHANY COLLEGE	03-B43C-03
C	BETHANY COLLEGE	03-B43C-02
D	BETHANY COLLEGE	03-B43C-01
E	PUBLIC PARCEL	01-B43B-28
F	TRAVIS G & GREGORY B STRAUB	03-B43F-84
G	GEORGE SONNEWALD, JR	03-B43F-83
H	GEORGE SONNEWALD, JR	03-B43F-81
I	WILLIAM MITCHELL HEIRS	03-B43B-25
J	DONALD STEVEN MITCHELL	03-B43F-82
K	TOWN OF BETHANY	03-B43F-88
L	TOWN OF BETHANY	03-B43F-87
M	TOWN OF BETHANY	03-B43F-88
N	TOWN OF BETHANY	03-B43-25
O	BETHANY COLLEGE	03-B43-31
P	CITY OF BETHANY	03-B43C-12
Q	BETHANY COLLEGE	03-B38-31
R	GENE C VALENTINE TRUST	03-B43-28
S	GENE C VALENTINE TRUST	03-B43-28
T	GENE C VALENTINE TRUST	03-B43-49-3
U	STATE OF WV DEPT OF COM DIVISION OF NATURAL RESOURCES WILDLIFE RES SEC	03-B48-18
V	MARY LOU FONNER	03-B43-28
W	TRACY T PUSKARICH	03-B43-29
X	ROBERT M & CHARLOTTE A CHAMBERS	03-B48-24
Y	ALBERTA GLINN & REBECCA A AYERS (SURV)	03-B43-81
Z	ROBERT M & CHARLOTTE A CHAMBERS	03-B48-23
AA	ANNA MAE NORDEN	03-B48-22
AB	BRIAN DAVID CORWIN	03-B43-22
AC	BETHANY COLLEGE	03-B38-31
AD	BETHANY COLLEGE	03-B43-01
AE	WILFRID W CASPAR & SAKUNTALA W GUINASEGARAM (SURV)	03-B43F-02
AF	RICHARD J & FELICITY RUGGIERO	03-B43F-03
AG	DOMINICK A & THERESA D'AURORA (SURV)	03-B43F-04
AH	LINDA GRAMHAM	03-B43F-05
AI	ROBERT P, JR & PENNY K. RAHR (SURV)	03-B43F-06
AJ	FRANK M & MARIAN REVEN	03-B43F-07
AK	JOSEPH P & BARBARA A PETTINI (SURV)	03-B43F-08
AL	JOHN THOMAS & ANNE E BURNS	03-B43F-09
AM	JOHN C & SUSAN J GERSMANN	03-B43F-10
AN	EDWARD A DULLY	03-B43F-11
AO	ERIC H. BOWEN	03-B43F-12
AP	BETHANY COLLEGE	03-B43F-13
AQ	FILIKO OGURI SAWATRIE	03-B43F-14
AR	JOHN & PATRICIA GUININOHAM	03-B43F-15
AS	SHARMA R & CRYSTAL DARSHANA (LWS)	03-B43F-16
AT	ANDREW C & PAULA J SACHS (SURV)	03-B43F-17
AU	BETHANY COLLEGE	03-B43F-18
AV	BETHANY COLLEGE	03-B43F-19
AW	BETHANY COLLEGE	03-B43F-20
AX	BETHANY COLLEGE	03-B43F-21
AY	BETHANY COLLEGE	03-B43F-22
AZ	BETHANY COLLEGE	03-B43F-23
BA	THE TRUST OF GENE CHARLES VALENTINE	03-B43F-24
BB	DEBORAH C FENDON	03-B43F-25
BC	THE TRUST OF GENE CHARLES VALENTINE	03-B43F-26
BD	ROBERT L MCVICAR	03-B43F-27
BE	CURTIS LEE & LOUANN NEEL (SURV)	03-B43F-28
BF	JOHN & CYNTHIA HOFFMAN	03-B43F-29
BG	ROSEMARY JEANNE COBB	03-B43F-30
BH	ALBERT R, JR & SUSAN BUCKLEW	03-B43F-31
BI	THOMAS J & LAURIE L ELTRINGHAM (SURV)	03-B43F-32
BJ	JOHN & DEBRA HULL LIVING TRUST	03-B43F-33
BK	KENNETH & JUDITH MORGAN (SURV)	03-B43F-34
BL	JAMES R, JR & CAROLYN FORRESTER	03-B43F-35
BM	DOUGLAS H & HOLLY HERVEY (SURV)	03-B43F-36
BN	THOMAS FURBEE & KATHERINE SHELK	03-B43F-37
BO	THOMAS FURBEE & KATHERINE SHELK (SURV)	03-B43F-38
BP	BETHANY COLLEGE	03-B43F-39
BQ	BETHANY COLLEGE	03-B43F-40
BR	THE TRUSTEES OF BETHANY COLLEGE	03-B43F-41
BS	BETHANY COLLEGE	03-B43F-42
BT	BETHANY COLLEGE	03-B43F-43

TRACT	SURFACE OWNER	TAX PARCEL
BU	SHIRLEY J KEMP	03-B43F-44
BV	BETHANY COLLEGE	03-B43F-45
BW	DOUGLAS G NIELSEN	03-B43F-47
BX	THOMAS M AYERS	03-B43F-48
BY	JANICE L FORSTY (L/E MARY N FORSTY)	03-B43F-49
BZ	JOANNE SYKES	03-B43F-50
CA	JOANNE SYKES	03-B43F-51
CB	WAYNE NEIL & JAY ALAN BOWENS	03-B43F-52
CC	BOWENS, WAYNE NEIL (LUD), JOHNSON & GRETCHEN	03-B43F-53
CD	KOSMAS MOURATIDIS (L/E: ROBERT & NICOL)	03-B43F-54
CE	JOHN & PATRICIA L GUININOHAM (SURV)	03-B43F-55
CF	ASHLEY L & A SCOTT KANOLT	03-B43F-56
CG	RYAN & BROOKE SMITH	03-B43F-57
CH	RANDALL J & CYNTHIA WEPPLER	03-B43F-58
CI	BETHANY COLLEGE	03-B43F-59
CJ	BETHANY COLLEGE	03-B43F-78
CK	BETHANY COLLEGE	03-B43F-77
CL	BETHANY COLLEGE	03-B43F-76
CM	BETHANY COLLEGE	03-B43F-75
CN	JOHN W & CAROL LOSIER	03-B43F-85
CO	DOMINICK A & THERESA D'AURORA (SURV)	03-B43F-04
CP	BETHANY COLLEGE	03-B43F-73
CQ	THOMAS PAUL LYONS	03-B43F-72
CR	THOMAS PAUL LYONS	03-B43F-71
CS	GRAY WILLIAMSON & SYDRA HATZIOPOULOS (SURV)	03-B43B-12
CT	ROBERT & MELINDA KREIBERGER (SURV)	03-B43F-80
CU	BETHANY COLLEGE	03-B43B-18
CV	BETHANY COLLEGE	03-B43B-17
CW	HARRY W & SANDRA K GROUX (SURV)	03-B43B-18
CX	HARRY W & SANDRA K GROUX (SURV)	03-B43B-19
CY	BETHANY COLLEGE	03-B43B-20
CZ	BETHANY COLLEGE	03-B43B-21
DA	DONNA SUE MARTIN LOVATO	03-B43F-87
DB	NED THOMAS & BILLIE JO FALCON	03-B43B-80
DC	EARL R & PAMELA KEENER (SURV)	03-B43B-85
DD	MANUFACTURERS LIGHT & HEAT COMPANY	03-B43B-23
DE	JOHN HUFF HEIRS	03-B43B-40
DF	BETHANY COLLEGE	03-B38-31
DG	DANNY M & SANDRA J HOLLADAY (SURV)	03-B43-03
DH	DENNIS & DERRELL RUSCHETT	03-B43-02
DI	DENNIS & DERRELL RUSCHETT	03-B43-01
DJ	ALLEN JOHNSON, WARREN JOHNSON, CHARLES JOHNSON & ET AL	03-B38-36
DK	DAVID G OWENS & LINDA WALTERS (L/E ROY R OWENS)	03-B38-35
DL	DAVID G OWENS & LINDA WALTERS (L/E ROY R OWENS)	03-B38-33
DM	DAVID G OWENS & LINDA WALTERS (L/E ROY R OWENS)	03-B38-32
DN	BETHANY COLLEGE	03-B38-31
DO	CHARLES F & DONNA BROWN	03-B38-30
DP	KIMBERLY CARMAN WORTHLEY	03-B38-27
DQ	KIMBERLY CARMAN WORTHLEY	03-B38-25
DR	MARK W OWEN & VIRGINIA BEALL KRETZ	03-B38-24
DS	TRUST OF GENE CHARLES VALENTINE (178/86)	03-B38-28
DT	BETHANY COLLEGE	03-B38-31
DU	RICHARD FRANCIS GORBY	03-B43-23
DV	KATHLEEN KEEGAN	03-B43C-27
DW	BARBARA L CHAMBERS (LTD)	03-B43C-36



				COMPANY:	
DATE: 12-13-2018 API NO: 47-009-00263 DRAWN BY: D. REED		SAMUEL JONES BRK SH		OPERATOR'S:	
SCALE: N/A DRAWING NO: 2018-0263 WELL LOCATION PLAT		STATE: WV COUNTY: BROOKE		WELL #:	
				DISTRICT:	
				BUFFALO:	
				REVISIONS:	

COMPLETION ID: 2501166861  
 PAD ID: 3001162336