

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

API 47-009-00280 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 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 4448987.91 Easting 537360.92  
Landing Point of Curve Northing 4448753.31 Easting 537218.24  
Bottom Hole Northing 4446178.99 Easting 538235.36

Elevation (ft) 1,204.2' 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 05/08/19 Date drilling commenced 07/06/19 Date drilling ceased 07/18/19  
Date completion activities began 08/17/19 Date completion activities ceased 10/06/19  
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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Reviewed by:

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*C. B. [Signature]*  
5-11-20

API 47-009 - 00280 Farm name SAMUEL E. & JUDITH F. JONES Well number SAMUEL JONES 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	367	NEW	J-55/54.50#		Y, 23 BBLS
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	1812	NEW	J-55/36#		Y, 40 BBLS
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	15,766	NEW	HCP-110/20#		Y, 30 BBLS
Tubing		2.875	6,485	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	715	15.50	1.20	858	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	2,830	15.60	1.20	3,396	SURFACE	24
Tubing							

Drillers TD (ft) 15,766' Loggers TD (ft) 15,766'  
 Deepest formation penetrated Marcellus Shale Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 5,550'

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 \_\_\_\_\_

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WERE TRACERS USED  Yes  No TYPE OF TRACER(S) USED \_\_\_\_\_

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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	8/17/2019
Job End Date:	9/10/2019
State:	West Virginia
County:	Brooke
API Number:	47-009-00280-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Samuel Jones BRK 6
Latitude:	40.19044916
Longitude:	-80.56109085
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,184
Total Base Water Volume (gal):	13,893,010
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			
Base Water	Operator	Base Fluid		Listed Below			



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BIOC11219A	Nalco	Biocide		Listed Below					
				Listed Below					
SWN FRW-13LA	SWN Well Services	Friction Reducer		Listed Below					
				Listed Below					
Ecopol-FEAC	SWN Well Services	Iron Control		Listed Below					
				Listed Below					
Econo-CI200	SWN Well Services	Corrosion Inhibitor		Listed Below					
				Listed Below					
SCAL 16486A	Nalco	Scale Inhibitor		Listed Below					
				Listed Below					
HCL	SWN Well Services	Solvent		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	85.45686	Density = 8.345
			Crystalline Silica, quartz	14808-60-7	100.00000	13.68897	
			Water	7732-18-5	85.00000	0.68539	
			Hydrochloric Acid	7647-01-0	15.00000	0.10860	
			Petroleum Distillates, Hydrotreated	64742-47-8	25.00000	0.02361	
			Methanol	67-56-1	60.00000	0.01495	
			Benzyl-(C12-C16 Alky)-Dimethyl-Ammonium	68424-85-1	30.00000	0.00747	
			Chloride Glutaraldehyde	111-30-8	10.00000	0.00249	

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**SAMUEL JONES BRK 6H  
ATTACHMENT 1  
PERF REPORT**

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	8/17/2019	15,677	15,585	36
2	8/17/2019	15,552	15,444	42
3	8/25/2019	15,410	15,302	42
4	8/25/2019	15,269	15,161	42
5	8/25/2019	15,127	15,017	42
6	8/26/2019	14,988	14,877	42
7	8/26/2019	14,844	14,738	42
8	8/26/2019	14,702	14,594	42
9	8/27/2019	14,561	14,453	42
10	8/27/2019	14,419	14,311	42
11	8/27/2019	14,278	14,169	42
12	8/27/2019	14,136	14,032	42
13	8/27/2019	13,995	13,886	42
14	8/27/2019	13,853	13,745	42
15	8/28/2019	13,711	13,603	84
16	8/28/2019	13,570	13,461	42
17	8/28/2019	13,428	13,320	42
18	8/29/2019	13,285	13,178	42
19	8/30/2019	13,145	13,034	42
20	8/30/2019	13,005	12,895	42
21	8/30/2019	12,862	12,757	42
22	8/30/2019	12,720	12,612	42
23	8/30/2019	12,578	12,470	42
24	8/30/2019	12,437	12,329	42
25	8/31/2019	12,295	12,187	42
26	8/31/2019	12,154	12,045	42
27	9/1/2019	12,009	11,904	42
28	9/1/2019	11,870	11,767	42
29	9/1/2019	11,729	11,621	42
30	9/2/2019	11,587	11,479	42
31	9/2/2019	11,446	11,337	42
32	9/2/2019	11,304	11,196	42
33	9/2/2019	11,162	11,054	42
34	9/2/2019	11,017	10,913	42
35	9/3/2019	10,879	10,775	42
36	9/3/2019	10,738	10,629	42
37	9/3/2019	10,596	10,490	42
38	9/4/2019	10,454	10,346	42
39	9/4/2019	10,313	10,205	42
40	9/4/2019	10,171	10,063	42
41	9/4/2019	10,030	9,921	42
42	9/4/2019	9,891	9,785	42
43	9/4/2019	9,746	9,638	42

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STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
44	9/5/2019	9,605	9,497	42
45	9/5/2019	9,463	9,355	42
46	9/5/2019	9,322	9,213	84
47	9/5/2019	9,180	9,072	42
48	9/5/2019	9,041	8,930	42
49	9/6/2019	8,897	8,789	42
50	9/6/2019	8,755	8,647	42
51	9/6/2019	8,614	8,505	42
52	9/6/2019	8,472	8,364	42
53	9/6/2019	8,330	8,222	42
54	9/6/2019	8,189	8,086	42
55	9/6/2019	8,047	7,939	42
56	9/7/2019	7,906	7,797	42
57	9/7/2019	7,764	7,656	42
58	9/7/2019	7,622	7,514	42
59	9/7/2019	7,481	7,373	42
60	9/7/2019	7,339	7,231	42
61	9/8/2019	7,198	7,089	42
62	9/8/2019	7,056	6,948	42
63	9/8/2019	6,914	6,804	42
64	9/9/2019	6,773	6,665	42
65	9/9/2019	6,631	6,523	42
66	9/10/2019	6,490	6,381	42

  
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SAMUEL JONES BRK 6H

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/othr
1	8/17/2019	83	8,218	9,065	3,727	240,510	6,055	0
2	8/17/2019	80	7,912	6,747	4,032	285,190	5,450	0
3	8/25/2019	88	7,832	6,113	4,140	283,688	5,521	0
4	8/25/2019	86	7,772	6,128	4,685	281,666	5,411	0
5	8/25/2019	77	7,857	4,919	5,209	277,786	5,551	0
6	8/26/2019	78	8,071	6,278	4,327	284,274	6,230	0
7	8/26/2019	74	7,948	6,322	4,872	280,473	4,836	0
8	8/27/2019	74	8,282	6,234	4,229	280,979	5,055	0
9	8/27/2019	81	8,271	6,014	4,093	282,056	5,014	0
10	8/27/2019	80	7,542	6,429	4,708	281,815	5,391	0
11	8/27/2019	79	8,037	6,152	4,184	280,701	5,402	0
12	8/27/2019	89	8,239	6,060	4,947	278,934	4,954	0
13	8/27/2019	74	8,222	6,421	4,862	238,163	4,882	0
14	8/28/2019	73	8,069	6,480	4,058	279,471	5,021	0
15	8/28/2019	55	7,594	5,984	4,049	281,456	9,445	0
16	8/28/2019	86	8,180	5,578	5,333	279,012	4,838	0
17	8/28/2019	82	8,316	6,124	4,844	280,253	6,453	0
18	8/29/2019	82	8,334	5,792	5,018	281,561	4,803	0
19	8/29/2019	91	8,149	5,982	4,352	279,120	4,897	0
20	8/30/2019	92	8,123	5,626	4,989	279,853	4,626	0
21	8/30/2019	89	7,653	6,120	4,403	282,529	4,921	0
22	8/30/2019	88	7,734	6,010	4,232	283,443	4,791	0
23	8/30/2019	88	8,207	6,054	4,390	280,529	4,709	0
24	8/30/2019	87	8,168	6,120	4,464	280,275	4,720	0
25	8/31/2019	95	7,781	5,212	5,284	279,935	4,822	0
26	8/31/2019	90	7,590	5,980	5,284	281,643	4,763	0
27	9/1/2019	90	7,216	6,125	5,208	280,780	4,955	0
28	9/1/2019	91	7,672	6,125	4,197	283,372	4,811	0
29	9/1/2019	93	7,285	5,767	4,197	281,315	4,887	0
30	9/2/2019	96	7,505	6,088	4,331	280,925	4,770	0
31	9/2/2019	90	7,757	6,009	3,697	283,571	4,826	0
32	9/2/2019	91	7,729	6,120	4,174	279,485	4,785	0
33	9/2/2019	94	7,355	5,612	4,851	283,423	4,834	0
34	9/2/2019	99	7,801	5,941	4,596	284,841	4,917	0
35	9/3/2019	99	7,371	5,321	4,139	281,126	4,831	0
36	9/3/2019	96	7,879	5,932	4,708	281,406	4,779	0
37	9/3/2019	97	7,310	5,230	4,942	280,645	4,844	0
38	9/4/2019	97	7,129	5,432	4,527	280,535	4,726	0
39	9/4/2019	95	7,520	5,821	4,716	280,668	4,446	0
40	9/4/2019	97	7,501	5,816	4,216	279,888	4,777	0
41	9/4/2019	94	7,633	6,034	4,461	280,581	4,609	0
42	9/4/2019	91	7,772	6,085	4,330	279,935	4,959	0
43	9/4/2019	100	7,401	6,106	3,959	281,296	4,740	0
44	9/5/2019	98	7,719	5,782	3,735	273,970	5,363	0
45	9/5/2019	93	7,578	5,710	4,208	274,750	4,440	0
46	9/5/2019	80	6,872	6,381	4,565	277,230	6,898	0
47	9/5/2019	101	7,251	5,786	4,364	283,250	4,652	0
48	9/5/2019	100	7,383	5,836	4,020	276,260	4,752	0
49	9/6/2019	100	7,453	5,830	3,743	274,830	4,638	0
50	9/6/2019	91	7,366	5,710	4,850	267,905	4,568	0
51	9/6/2019	96	7,276	6,045	4,453	286,605	4,620	0
52	9/6/2019	93	7,516	5,801	4,805	276,690	4,616	0
53	9/6/2019	92	7,714	6,053	4,484	271,690	4,915	0

SAMUEL JONES BRK 6H

ATTACHMENT 2

STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
54	9/6/2019	97	6,746	5,980	3,849	284,825	4,766	0
55	9/6/2019	85	7,521	6,109	4,093	283,055	5,720	0
56	9/7/2019	100	6,989	6,129	4,156	282,925	4,661	0
57	9/7/2019	96	6,914	5,622	4,434	281,945	4,479	0
58	9/7/2019	94	7,413	5,837	4,255	270,320	4,539	0
59	9/7/2019	100	7,310	6,058	4,450	271,630	4,455	0
60	9/7/2019	100	6,741	5,823	4,160	275,210	5,227	0
61	9/8/2019	100	7,058	5,985	4,119	283,660	4,647	0
62	9/8/2019	99	7,281	5,836	4,315	284,490	6,454	0
63	9/9/2019	94	6,549	5,812	4,012	272,060	4,984	0
64	9/9/2019	101	7,061	5,934	3,906	284,490	4,550	0
65	9/9/2019	100	7,276	5,656	4,222	281,940	4,832	0
66	9/10/2019	96	7,391	5,987	4,108	282,505	4,572	0

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Well Name: Samuel Jones BRK 6H 47009002800000

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)	5556.00	5496.00	5828.00	5754.00	
Cashaqua (shale)	5828.00	5754.00	5887.00	5806.00	
Middlesex (shale)	5887.00	5806.00	5976.00	5879.00	
Burket (shale)	5976.00	5879.00	5995.00	5893.00	
Tully (ls)	5995.00	5893.00	6067.00	5945.00	
Mahantango (shale)	6067.00	5945.00	6291.00	6056.00	
Marcellus (shale)	6291.00	6056.00	NA	NA	GAS

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

LATITUDE: 40°12'30" SURFACE HOLE

LATITUDE: 40°10'00" BOTTOM HOLE

5424'

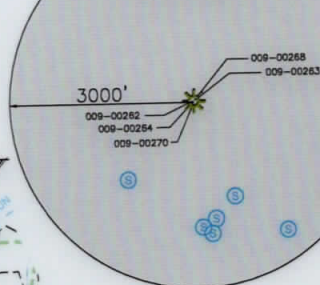
2664'

LONGITUDE: 80°32'30" BOTTOM HOLE

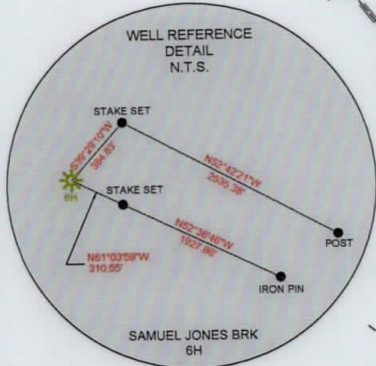
586'

LONGITUDE: 80°32'30" SURFACE HOLE

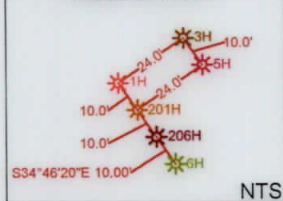
EXISTING WELLS WITHIN 3000'  
SCALE: 1"=3000'



WELL REFERENCE DETAIL  
N.T.S.



WELL LAYOUT



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): <b>NORTHING: 4448987.91</b> <b>EASTING: 537360.92</b>
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): <b>NORTHING: 4448801.30</b> <b>EASTING: 537197.66</b>
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): <b>NORTHING: 4446179.73</b> <b>EASTING: 538237.52</b>
<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): <b>NORTHING: 4448987.91</b> <b>EASTING: 537360.92</b>
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): <b>NORTHING: 4448753.31</b> <b>EASTING: 537218.24</b>
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): <b>NORTHING: 4446178.99</b> <b>EASTING: 538235.36</b>

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.



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY:

**SWN**

Production Company, LLC

**SWN** *R-V+*

Production Company™

SAMUEL JONES BRK

OPERATOR'S WELL #: 6H

API WELL #: **47** **009** **00280**  
STATE COUNTY PERMIT



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25034

MINIMUM DEGREE OF ACCURACY: 1/200  
PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,204.2'

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: 6,289' TVD 15,766' 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

LEGEND:	EXISTING WATER WELL
EXISTING BOTTOM HOLE	EXISTING SPRING
EXISTING / PRODUCING WELLHEAD	SURVEYED BOUNDARY
EXISTING LANDING POINT LOCATION	LEASE BOUNDARY
PROPOSED SURFACE HOLE / BOTTOM HOLE	ASDRILLED PATH
PROPOSED LANDING POINT LOCATION	PROPOSED PATH

REVISIONS:	DATE: 12-13-2019
	API NO: 47-009-00280
	DRAWN BY: D. REED
	SCALE: 1" = 2000'
	DRAWING NO: 2019-0265
	WELL LOCATION PLAT



**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	ANNA MAE NORDEN	03-B48-22
3	HARRY L. & BEVERLY CHAMBERS (SURV)	03-B48-24.1
4	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-24
5	SCOTT SONDA & MARK SONDA	03-B48-20
6	MARION PYLE STONE	03-B48-41
7	DONALD GRIMES, HOUSTON GRIMES & ANTHONY GRIMES	03-B48-40
8	MICHAEL & DEIRDRA O'HARA	03-L2-10.2

**ADJOINING OWNERS TABLE**

TRACT	SURFACE OWNER	TAX PARCEL
A	GENE C. VALENTINE, TRUST	03-B43-33
B	MARY LOU FONNER	03-B43-58
C	TRACY T. PUSKARICH	03-B43-59
D	ALBERT GLENN & REBECCA ANN AYERS	03-B43-61
E	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-23
F	NICHOLAS J. & JENNIFER C. CAMMARATA (SURV)	03-B48-25
G	WILLIAM K. & FLORENCE ANDREA WALDEN	03-B48-27
H	WILLIAM K. & ANDREA WALDEN	03-B48-38
I	MICHAEL J. GRIMES	03-L2-10.1
J	HARRY ALAN FISH	03-L2-13.1
K	MICHAEL BREITINGER	03-L2-11
L	SCOTT SONDA & MARK SONDA	03-L2-02
M	WINDSOR COAL COMPANY	03-L2-09
N	SCOTT SONDA & MARK SONDA	03-L2-01
O	MARION P. STONE	03-B48-19
P	MARC P. STONE	03-B48-17
Q	JUDITH ANN PYLE	03-B48-18
R	ROBERT PAUL & WENDY KAY SEIDEWITZ	03-B48-18.1
S	BRIAN DAVID CORWIN	03-B43-22
T	BETHANY COLLEGE	03-B38-31
U	DEIRDRA O'HARA	03-L2-10

REVISIONS:

COMPANY:

**SWN**  
Production Company, LLC

**SWN** <sup>R+V+0</sup>  
Production Company™



OPERATOR'S SAMUEL JONES BRK  
WELL #: 6H

DATE: 12-13-2019  
API NO: 47-009-00280  
DRAWN BY: D. REED  
SCALE: N/A  
DRAWING NO: 2019-0265  
WELL LOCATION PLAT

DISTRICT: BUFFALO COUNTY: BROOKE STATE: WV

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-B43-80
TRACT	SURFACE OWNER	TAX PARCEL
2	ANNA MAE NORDEN	03-B48-22
3	HARRY L. & BEVERLY CHAMBERS (SURV)	03-B48-24.1
4	ROBERT M. & CHARLOTTE A. CHAMBERS	03-B48-24
5	SCOTT SONDA & MARK SONDA	03-B48-20
6	MARION PYLE STONE	03-B48-41
7	DONALD GRIMES, HOUSTON GRIMES & ANTHONY GRIMES	03-B48-40
8	MICHAEL & DEIRDRA O'HARA	03-L2-10.2

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K	MICHAEL BREITINGER	03-L2-11
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M	WINDSOR COAL COMPANY	03-L2-09
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O	MARION P. STONE	03-B48-19
P	MARC P. STONE	03-B48-17
Q	JUDITH ANN PYLE	03-B48-18
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S	BRIAN DAVID CORWIN	03-B43-22
T	BETHANY COLLEGE	03-B38-31
U	DEIRDRA O'HARA	03-L2-10

				REVISIONS:
COMPANY:	OPERATOR'S	DATE: 12-13-2019	APR NO: 47-009-00280	
	6H	DRAWN BY: D. REED	SCALE: N/A	
DISTRICT: BUFFALO	COUNTY: BROOKE	STATE: WV	DRAWING NO: 2019-0285	
			WELL LOCATION PLAT	
PAD ID 2001162328 COMPLETION ID 2501162388				