

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

API 47 - 009 - 00203 County BROOKE District BUFFALO
Quad BETHANY Pad Name KATHY MAYHEW BRK PAD Field/Pool Name PANHANDLE FIELD WET
Farm name KATHY LYNN & MICHAEL MAYHEW, ET AL Well Number KATHY MAYHEW BRK 1H
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 4449173.21 Easting 532116.75
Landing Point of Curve Northing 4449187.93 Easting 531846.98
Bottom Hole Northing 4454141.56 Easting 529682.62

Elevation (ft) 1,281.2 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 6/5/2019 Date drilling commenced 9/2/2019 Date drilling ceased 9/17/2019
Date completion activities began 10/4/2019 Date completion activities ceased 11/23/19
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 370' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 622' Void(s) encountered (Y/N) depths N
Coal depth(s) ft 454' 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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API 47- 009 - 00203

Farm name KATHY LYNN & MICHAEL MAYHEW, ET AL

Well number KATHY MAYHEW BRK 1H

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	532	NEW	J-55/54.50#		Y, 21 BBLs
Coal	SEE SURFACE						
Intermediate 1	12.25	9.625	1806	NEW	J-55/36#		Y, 43 BBLs
Intermediate 2							
Intermediate 3							
Production	8.75/8.50	5.5	24188	NEW	P-110/20#		Y
Tubing		2.875	6371	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 ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	517	15.60	1.20	620.4	SURFACE	8
Coal	SEE SURFACE						
Intermediate 1	CLASS A	720	15.60	1.19	856.8	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4,446	15.60	1.19	5290.7	SURFACE	24
Tubing							

Drillers TD (ft) 24,188'

Loggers TD (ft) 24,188'

Deepest formation penetrated Marcellus Shale

Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 5,430'

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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SOUTHWESTERN ENERGY

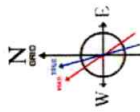
Location: Brooke County, WV
 Slot: Slot 1H
 Well: Kathy Mayhew BRK 1H
 Field: Brooke
 Facility: Kathy Mayhew BRK Pad Wellbore: Kathy Mayhew BRK 1H PWB

Plot reference wellpath is Kathy Mayhew BRK 1H PWB Rev-B.0	Grid System: NAD83/UTM_Zone 17 North, US feet
True vertical depths are referenced to SDC 41 (RKB)	North Reference: Grid north
Measured depths are referenced to SDC 41 (RKB)	Scale: True distance
SDC 41 (RKB) to Mean Sea Level: 1307.2 feet	Depths are in feet
Mean Sea Level to Ground level (At Slot: Slot 1H): -1281.2 feet	Created by: atenjen on 2019-09-16
Coordinates are in feet referenced to Slot	Database: WA_MPL_EASTERNUS_Defn

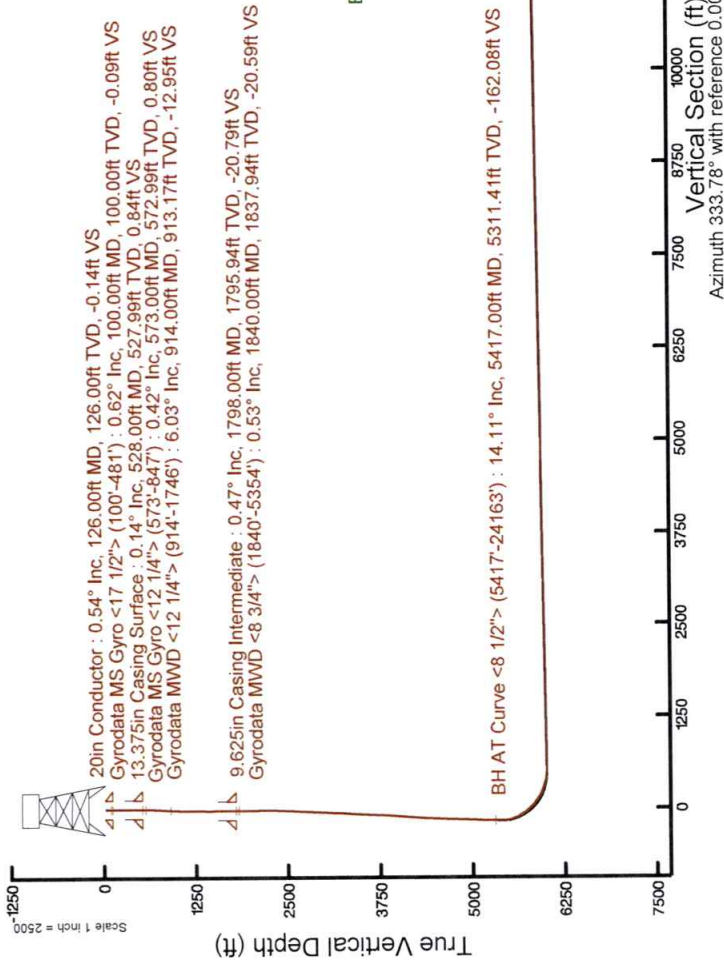
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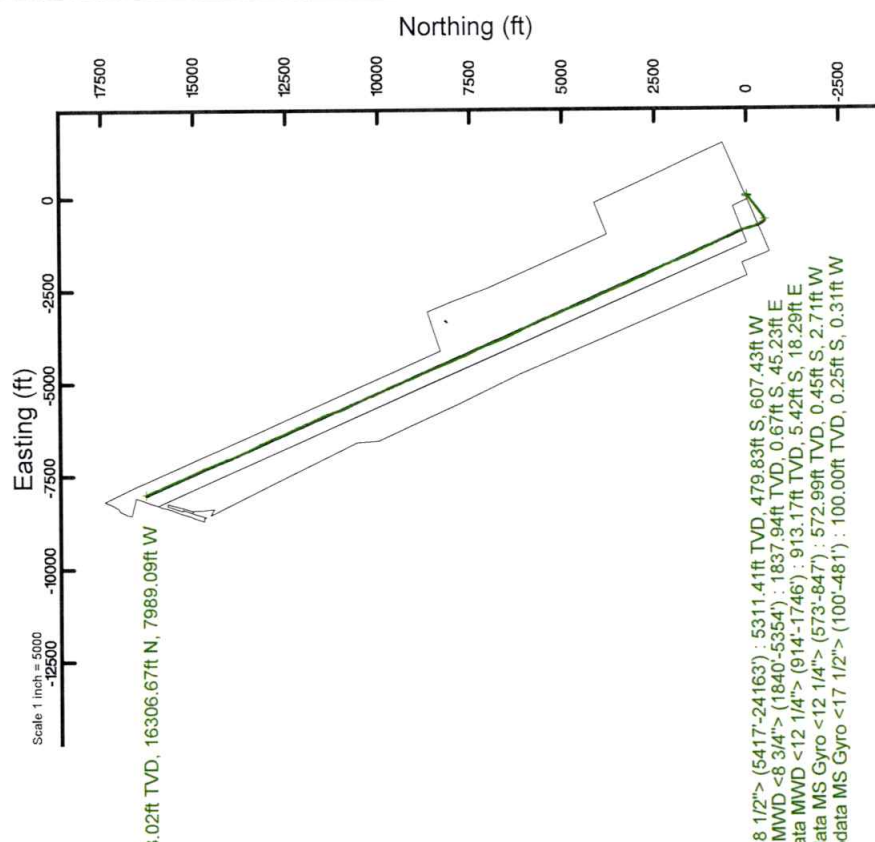
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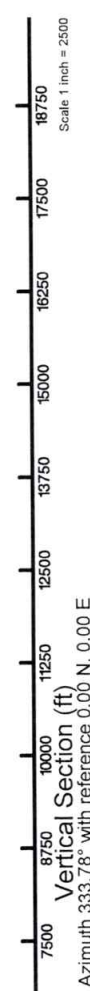
User specified Dip: 67.46° Field: 52468 nT
 Magnetic North is 8.14 degrees West of True North (at 06/09/2019)
 To correct azimuth from True to Grid subtract 0.24 degrees
 To correct azimuth from Magnetic to Grid subtract 8.38 degrees



Location Information			
Facility Name	Grid East (US ft)	Grid North (US ft)	Longitude
Kathy Mayhew BRK Pad	1745806.460	14597023.540	80°37'21.416"W
Slot	Local E (ft)	Grid North (US ft)	Longitude
Slot 1H	-27.78	1745786.370	80°37'21.676"W
SDC 41 (RKB) to Ground level (At Slot: Slot 1H)	26ft		
Mean Sea Level to Mean Sea Level	-1281.2ft		
SDC 41 (RKB) to Mean Sea Level	1307.2ft		
Comments			
API: 47-009-00203-0000			
BH Job #: 109994974A			
Rtg: SDC 41			
Duration: 09/07/2019 - 09/14/2019			



Projection to Bit : 5778.02ft TVD, 16306.67ft N, 7989.09ft W
 BH AT Curve <8 1/2> : 5417'-24163' : 5311.41ft TVD, 479.83ft S, 607.43ft W
 Gyrodota MWD <8 3/4> : 1840'-5354' : 1837.94ft TVD, 0.67ft S, 45.23ft E
 Gyrodota MWD <12 1/4> : 914'-1746' : 913.17ft TVD, 5.42ft S, 18.29ft E
 Gyrodota MS Gyro <12 1/4> : 573'-847' : 572.99ft TVD, 0.45ft S, 2.71ft W
 Gyrodota MS Gyro <17 1/2> : 100'-481' : 100.00ft TVD, 0.25ft S, 0.31ft W



Vertical Section (ft)
 Azimuth 333.78° with reference 0.00 N, 0.00 E

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/4/2019
Job End Date:	10/27/2019
State:	West Virginia
County:	Brooke
API Number:	47-009-00203-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	Kathy Mayhew BRK 1
Latitude:	40.19233576
Longitude:	-80.62268780
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	589
Total Base Water Volume (gal):	26,824,374
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
SCAL16486A	Naico	Scale Inhibitor					
				Listed Below			
Ecopol-FEAC	SWN Well Services	Iron Control					
				Listed Below			

Econo-CI200	SWN Well Services	Corrosion Inhibitor												
HCL	SWN Well Services	Solvent					Listed Below							
BIOC11219A	Naico	Biocide					Listed Below							
Base Water	Operator	Base Fluid					Listed Below							
Sand	SWN Well Services	Proppant					Listed Below							
SWN FRW-11LC	SWN Well Services	Friction Reducer					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	86.06913	Density = 8.345				
			Crystalline Silica, quartz				14808-60-7	100.00000	13.36249					
	RECEIVED Office of Oil and Gas		Water				7732-18-5	85.00000	0.44250					
	JAN 28 2020		Hydrochloric Acid				7647-01-0	15.00000	0.06535					
	WV Department of Environmental Protection		Petroleum Distillates, Hydrotreated				64742-47-8	25.00000	0.02465					
			Methanol				67-56-1	60.00000	0.01532					
			Benzyl-(C12-C16 Alky)- Dimethyl-Ammonium				68424-85-1	30.00000	0.00766					
			Chloride Glutaraldehyde				111-30-8	10.00000	0.00255					

				Ammonium Chloride	12125-02-9	2.00000	0.00197
				Ethylene glycol	107-21-1	30.00000	0.00168
				Amine Triphosphate	Proprietary	30.00000	0.00168
				Oleic Acid Diethanolamide	93-83-4	1.50000	0.00148
				Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00148
				Acetic Acid	64-19-7	37.50000	0.00087
				Methanol	67-56-1	80.00000	0.00053
				Citric Acid	77-92-9	22.50000	0.00052
				Oxyalkylated fatty acid	68951-67-7	9.67400	0.00006
				Fatty acids	61790-12-3	5.02700	0.00003
				Modified thiourea polymer	68527-49-1	4.74600	0.00003
				Potassium acetate	127-08-2	0.02200	0.00000
				Formaldehyde	50-00-0	0.00400	0.00000

* Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

*** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)

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**KATHY MAYHEW BRK 1H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
44	10/18/2019	15,150	14,973	36
45	10/18/2019	14,940	14,764	36
46	10/19/2019	14,730	14,553	36
47	10/19/2019	14,520	14,343	36
48	10/19/2019	14,307	14,133	36
49	10/19/2019	14,100	13,923	36
50	10/20/2019	13,890	13,713	36
51	10/20/2019	13,680	13,503	36
52	10/20/2019	13,470	13,295	36
53	10/20/2019	13,260	13,080	72
54	10/21/2019	13,050	12,873	36
55	10/21/2019	12,840	12,663	36
56	10/21/2019	12,630	12,453	36
57	10/21/2019	12,420	12,243	36
58	10/21/2019	12,210	12,033	36
59	10/22/2019	12,000	11,823	36
60	10/22/2019	11,790	11,613	36
61	10/22/2019	11,580	11,403	36
62	10/22/2019	11,370	11,195	36
63	10/22/2019	11,160	10,985	36
64	10/23/2019	10,950	10,774	36
65	10/23/2019	10,740	10,563	36
66	10/23/2019	10,530	10,355	36
67	10/23/2019	10,320	10,144	36
68	10/23/2019	10,110	9,933	36
69	10/23/2019	9,900	9,723	36
70	10/24/2019	9,690	9,513	36
71	10/24/2019	9,480	9,306	36
72	10/24/2019	9,270	9,098	36
73	10/24/2019	9,060	8,883	36
74	10/25/2019	8,850	8,673	36
75	10/25/2019	8,642	8,463	36
76	10/25/2019	8,425	8,253	36
77	10/25/2019	8,220	8,043	36
78	10/25/2019	8,010	7,833	36
79	10/26/2019	7,799	7,623	36
80	10/26/2019	7,590	7,413	36
81	10/26/2019	7,380	7,203	36
82	10/26/2019	7,170	6,993	36
83	10/26/2019	6,960	6,783	36
84	10/27/2019	6,750	6,573	36

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STAGE NUM	Perf Date	Perf Top MD	Perf Bottom MD	# SHOTS PER STG
1	9/29/2019	24,099	24,001	36
2	10/5/2019	23,970	23,793	36
3	10/5/2019	23,760	23,583	36
4	10/6/2019	23,550	23,365	72
5	10/6/2019	23,340	23,163	36
6	10/6/2019	23,130	22,953	36
7	10/7/2019	22,920	22,743	36
8	10/7/2019	22,710	22,533	36
9	10/8/2019	22,500	22,320	36
10	10/8/2019	22,292	22,111	36
11	10/9/2019	22,082	21,903	36
12	10/9/2019	21,875	21,693	36
13	10/10/2019	21,660	21,483	36
14	10/11/2019	21,450	21,273	36
15	10/11/2019	21,240	21,063	36
16	10/11/2019	21,030	20,853	36
17	10/11/2019	20,820	20,643	36
18	10/12/2019	20,610	20,433	36
19	10/12/2019	20,400	20,223	36
20	10/12/2019	20,190	20,013	36
21	10/12/2019	19,980	19,803	36
22	10/12/2019	19,765	19,593	36
23	10/13/2019	19,555	19,383	36
24	10/13/2019	19,350	19,173	36
25	10/14/2019	19,140	18,963	36
26	10/14/2019	18,930	18,753	36
27	10/14/2019	18,720	18,543	36
28	10/14/2019	18,510	18,333	36
29	10/15/2019	18,300	18,123	36
30	10/15/2019	18,090	17,913	36
31	10/15/2019	17,880	17,707	36
32	10/15/2019	17,670	17,489	36
33	10/15/2019	17,461	17,283	36
34	10/16/2019	17,246	17,073	36
35	10/16/2019	17,040	16,863	36
36	10/16/2019	16,830	16,653	36
37	10/17/2019	16,620	16,443	36
38	10/17/2019	16,410	16,238	36
39	10/17/2019	16,200	16,023	36
40	10/17/2019	15,990	15,813	36
41	10/18/2019	15,780	15,603	36
42	10/18/2019	15,570	15,393	36
43	10/18/2019	15,360	15,183	36

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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	10/4/2019	56	8,100	8,903	3,016	237,710	8,138	0
2	10/5/2019	75	7,570	5,331	3,785	422,010	9,233	0
3	10/5/2019	83	8,032	5,018	3,718	420,765	8,688	0
4	10/6/2019	40	8,334	5,325	4,040	22,480	8,500	0
5	10/6/2019	84	8,105	4,716	3,867	418,355	9,253	0
6	10/7/2019	84	8,066	5,381	3,927	421,631	9,068	0
7	10/7/2019	53	7,251	5,436	4,509	417,001	10,655	0
8	10/8/2019	82	8,157	5,176	4,033	421,111	9,598	0
9	10/8/2019	82	7,827	5,336	4,258	419,457	8,431	0
10	10/9/2019	91	7,383	4,451	4,355	420,585	8,560	0
11	10/9/2019	87	8,159	4,939	4,116	426,860	8,535	0
12	10/9/2019	86	8,372	4,783	4,313	416,950	8,269	0
13	10/10/2019	82	8,042	5,470	4,155	417,380	9,735	0
14	10/11/2019	86	8,391	4,581	4,608	423,828	7,970	0
15	10/11/2019	70	6,954	4,356	4,128	420,230	10,170	0
16	10/11/2019	75	7,680	5,169	4,110	417,025	8,847	0
17	10/11/2019	85	8,497	4,645	4,252	429,520	7,647	0
18	10/12/2019	77	8,531	4,567	4,323	428,580	7,957	0
19	10/12/2019	82	7,923	5,231	4,012	429,000	8,193	0
20	10/12/2019	83	7,924	5,226	3,959	417,005	8,302	0
21	10/12/2019	82	8,434	4,652	4,122	420,405	7,611	0
22	10/12/2019	78	8,441	4,739	4,415	428,040	7,503	0
23	10/13/2019	85	8,153	5,040	4,123	427,280	7,296	0
24	10/13/2019	85	7,869	5,507	3,743	419,679	8,533	0
25	10/14/2019	84	7,827	4,766	4,025	415,451	10,523	0
26	10/14/2019	83	7,949	5,332	3,978	420,211	7,433	0
27	10/14/2019	82	8,012	5,642	4,391	421,035	7,353	0
28	10/14/2019	85	8,329	4,828	4,611	413,734	7,032	0
29	10/15/2019	87	8,331	4,711	4,211	422,324	7,039	0
30	10/15/2019	85	8,011	5,071	4,079	410,670	7,472	0
31	10/15/2019	86	8,031	5,192	3,907	419,648	7,429	0
32	10/15/2019	95	8,221	4,366	4,481	417,340	6,938	0
33	10/15/2019	87	8,309	4,631	4,385	417,320	6,851	0
34	10/16/2019	82	7,633	4,520	4,180	419,035	7,388	0
35	10/16/2019	89	7,890	4,921	4,604	420,126	7,932	0
36	10/17/2019	92	7,950	5,227	4,291	419,352	7,287	0
37	10/17/2019	89	7,865	4,802	4,255	420,476	7,062	0
38	10/17/2019	90	7,911	4,853	4,100	420,829	7,073	0
39	10/17/2019	90	8,083	4,902	4,789	421,379	7,927	0
40	10/18/2019	91	7,958	5,006	4,638	418,055	7,246	0
41	10/18/2019	89	8,046	5,369	4,195	418,940	7,512	0
42	10/18/2019	90	7,693	5,447	4,150	420,547	7,042	0
43	10/18/2019	87	8,016	5,387	4,192	421,454	7,179	0
44	10/18/2019	86	8,072	5,474	4,186	422,480	7,294	0
45	10/19/2019	94	7,972	5,350	4,531	420,749	7,402	0
46	10/19/2019	93	7,743	5,713	4,018	421,148	7,040	0
47	10/19/2019	85	8,078	5,438	4,120	419,056	7,153	0
48	10/19/2019	87	7,905	5,455	4,050	422,389	7,269	0
49	10/19/2019	95	7,871	4,484	4,167	422,307	7,135	0
50	10/20/2019	97	7,854	5,279	3,935	420,842	7,114	0
51	10/20/2019	89	7,664	5,138	4,088	420,842	7,168	0
52	10/20/2019	90	7,403	5,100	4,012	420,965	7,054	0
53	10/21/2019	68	7,064	4,781	3,881	421,142	9,717	0

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ATTACHMENT 2

STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
54	10/21/2019	82	7,842	5,497	4,013	420,856	6,967	0
55	10/21/2019	84	7,739	5,750	4,032	421,267	7,148	0
56	10/21/2019	85	7,948	5,241	4,137	420,676	7,083	0
57	10/21/2019	95	7,382	5,092	4,436	421,184	7,032	0
58	10/21/2019	95	7,508	5,177	4,232	414,876	7,164	0
59	10/22/2019	91	7,543	5,212	4,223	421,937	7,187	0
60	10/22/2019	89	7,221	5,100	4,127	420,579	7,004	0
61	10/22/2019	88	7,523	5,158	3,926	420,455	7,119	0
62	10/22/2019	85	7,434	5,139	4,368	421,925	7,030	0
63	10/22/2019	90	7,531	5,176	4,099	422,443	7,157	0
64	10/23/2019	91	7,512	5,352	4,089	413,839	6,909	0
65	10/23/2019	88	7,362	5,302	4,121	420,468	7,207	0
66	10/23/2019	87	7,179	5,269	4,171	420,892	7,107	0
67	10/23/2019	89	6,959	5,171	4,045	419,844	7,102	0
68	10/23/2019	91	7,301	5,764	4,512	424,504	6,901	0
69	10/24/2019	89	7,292	5,466	4,369	419,867	6,746	0
70	10/24/2019	89	7,039	5,321	4,056	421,463	7,196	0
71	10/24/2019	88	7,481	5,629	4,148	422,136	7,134	0
72	10/24/2019	92	7,330	5,745	4,544	422,030	6,652	0
73	10/25/2019	85	7,242	5,931	4,562	428,131	6,605	0
74	10/25/2019	89	6,657	5,173	4,194	415,359	7,057	0
75	10/25/2019	90	7,028	5,471	4,266	421,477	7,021	0
76	10/25/2019	91	7,073	5,202	4,151	418,705	7,151	0
77	10/25/2019	96	7,087	5,034	4,422	420,290	6,967	0
78	10/26/2019	96	7,074	5,175	4,465	421,100	7,129	0
79	10/26/2019	92	6,834	5,421	4,148	421,313	7,249	0
80	10/26/2019	96	6,900	5,248	4,260	420,467	7,251	0
81	10/26/2019	97	6,795	5,098	4,513	417,729	7,139	0
82	10/26/2019	96	7,280	5,113	4,448	421,507	7,247	0
83	10/27/2019	99	6,959	5,091	4,532	422,404	6,980	0
84	10/27/2019	96	6,718	5,087	4,309	420,822	7,300	0

RECEIVED
Office of Oil and Gas

JAN 28 2020

WV Department of
Environmental Protection



RECEIVED
Office of Oil and Gas

JAN 28 2020

WV Department of
Environmental Protection

Well Name: Kathy Mayhew BRK 1H

47009002030000

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	370.00	370.00	
Pittsburgh Coal	454.00	454.00	459.00	459.00	
Top of Salt Water	622.00	622.00	NA	NA	
Pottsville (ss)	622.00	622.00	745.00	745.00	
Raven Cliff (ss)	940.00	939.00	1111.00	1110.00	
Maxton (ss)	1212.00	1210.00	1457.00	1455.00	
Big Lime (ls)	1457.00	1455.00	1596.00	1594.00	
Big Injun (ss)	1596.00	1594.00	1751.00	1749.00	
Berea (siltstone)	2039.00	2037.00	2149.00	2147.00	
Rhinestreet (shale)	5578.00	5467.00	5836.00	5701.00	
Cashaqua (shale)	5836.00	5701.00	5900.00	5751.00	
Middlesex (shale)	5900.00	5751.00	5988.00	5815.00	
Burket (shale)	5988.00	5815.00	6011.00	5829.00	
Tully (ls)	6011.00	5829.00	6105.00	5886.00	
Mahantango (shale)	6105.00	5886.00	6294.00	5968.00	
Marcellus (shale)	6294.00	5968.00	NA	NA	GAS

LATITUDE: 40°15'00" BOTTOM HOLE (2000' SCALE)

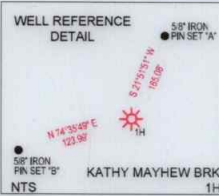
7280'

LATITUDE: 40°12'30" SURFACE HOLE (2000' SCALE)

11053'

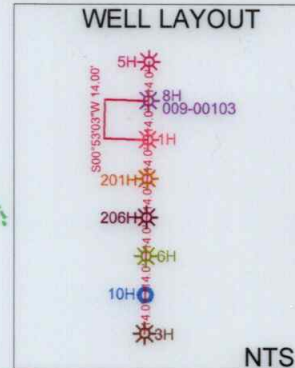


68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



NOTES ON SURVEY

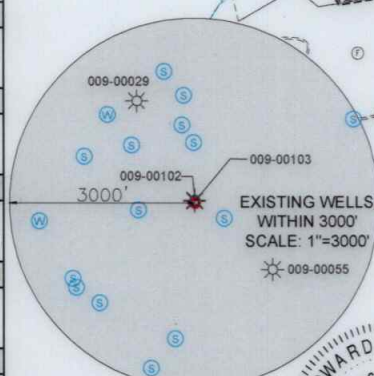
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
2. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
3. THIS PLAT DOES 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 PERENNIAL 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.



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

LINE	BEARING	DISTANCE
L1	N22°36'46"E	1945.50'
L2	N03°56'31"W	2565.43'

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4449173.21 EASTING: 532116.75
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4449187.93 EASTING: 531846.98
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4454141.56 EASTING: 529682.62
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4449144.43 EASTING: 531866.60
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4454136.65 EASTING: 529671.83



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

P.S. 2041

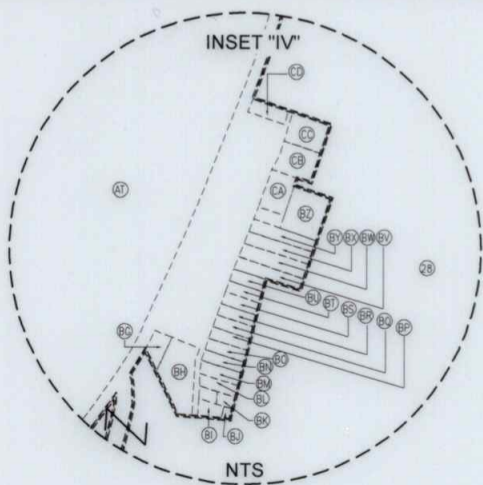
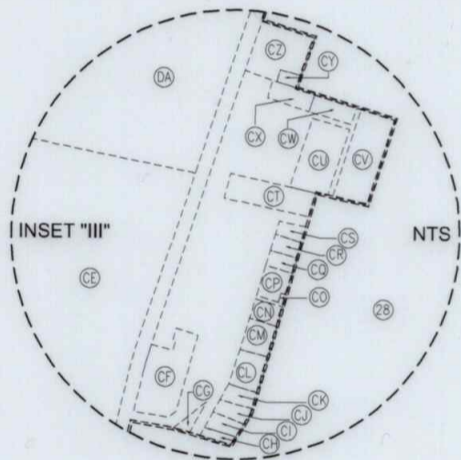
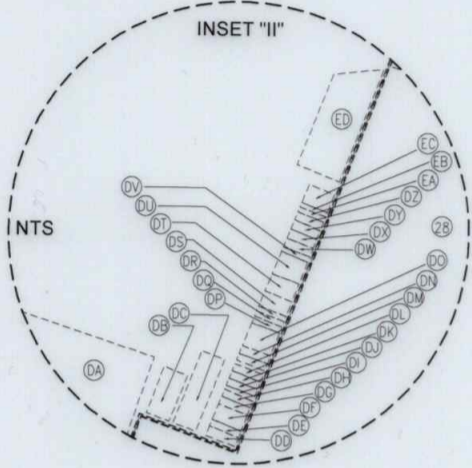
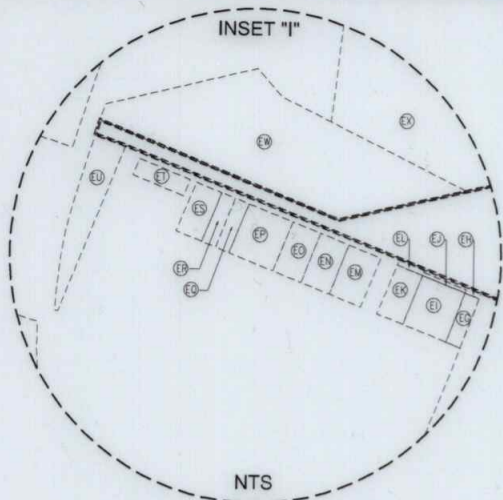
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: KATHY MAYHEW BRK 1H API WELL #: 47 009 00203 STATE COUNTY PERMIT
	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: KATHY LYNN & JAMES MAYHEW, ET AL OIL & GAS ROYALTY OWNER: KATHY LYNN & JAMES MAYHEW, ET AL

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: 6,005' TVD 24,188' TMD
---	--

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
--	--

LEGEND: ● EXISTING BOTTOM HOLE ☼ EXISTING / PRODUCING WELLHEAD LPL* EXISTING LANDING POINT LOCATION ● PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION — ACCESS ROAD - - - PUBLIC ROAD [] FLOOD PLAIN [] LEASE BOUNDARY — AS DRILLED PATH - - - PROPOSED PATH	REVISIONS: DATE: 01-15-2020 API NO: 47-009-00203 DRAWN BY: R. GRIMES SCALE: 1" = 3000' DRAWING NO: 2018-341 WELL LOCATION PLAT
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LONGITUDE: -80°35'00" SURFACE HOLE (2000' SCALE) | -80°37'30" BOTTOM HOLE (2000' SCALE) | 4669'



WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	KATHY LYNN & JAMES MAYHEW, ET AL (S/R)	03-B42-27
TRACT	SURFACE OWNER	TAX PARCEL
2	JAY GLEN COLLINS	03-B41-80
3	JAY GLEN COLLINS	03-B41-79
4	SANDRA W. BUTLER	03-B41-78
5	SANDRA W. BUTLER	03-B41-72
6	RUTH A. HERCULES	03-B41-88
7	GARY MORRIS	03-B41-90
8	RUTH A. HERCULES	03-B41-91
9	CHARLES J. SUTER & D. LA VAUGHN	03-B41-94
10	ELIZABETH ELLEN FLUHARTY	03-B41-95
11	ERNEST F. & JOANNE P. CAPP	03-B41-98
12	ERNEST F. & JOANNE P. CAPP	03-B41-64
13	LORETTA JOAN BASIL	03-B41-99
14	CAROL L. DUFFY	03-B36-113
15	MARK PHILLIPS, ET AL	03-B36-107
16	WINDSOR POWER HOUSE COAL COMPANY	03-B36-104
17	KEITH HAMILTON	03-B36L-37
18	KEITH L. HAMILTON	03-B36L-35
19	KEITH L. HAMILTON	03-B36L-34
20	FLOYD R. & DORIS M. LOUGHRIE	03-B36L-32
21	FLOYD R. & DORIS M. LOUGHRIE	03-B36L-30
22	DAVID W. DEWITT	03-B36L-31
23	HUBERT ESTES & ERMA HEADEN	03-B36L-29
24	HUBERT ESTES & ERMA HEADEN	03-B36L-02
25	JOHN BADO	03-B36L-01
26	LESTER & KATHERINE WALLACE	03-B36G-01
27	JOHN BADO	03-B36G-02
28	BUSINESS DEVELOPMENT CORP OF THE NORTHERN PANHANDLE	01-BB36-23.1
29	LOUIS & ARLINE MILLER	03-B36-06
30	LOUIS & ARLINE MILLER	03-B36-05
31	UNKNOWN	03-B31-74
32	OTIS M., JR. & EDNA JO BAKER	01-BB31-19
33	ALBERT T. & SHEILA PELL	01-BB31-25
34	CARL P. & MARGARET NIELSON	03-B31-58
35	GLADYS VIRGINIA CROW	01-BB31-32
36	HAROLD THOMAS CROW	01-BB31-33
37	CARL P. & MARGARET NIELSEN	01-B31-58
38	ALADDIN SIGNS, INC	01-BB31-54
39	PAUL T. BILLIARD	01-BB31-53
40	PAUL T. BILLIARD	01-BB31-52
41	ALADDIN SIGNS, INC	01-BB31-55
42	STATE ROUTE #2	RIGHT OF WAY

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	JOSEPH S. & JANE M. BUREK	03-B47-19
B	JAMES LAMONT	03-B47-1
C	BETSY D. TUSTIN	03-B47-2-1
D	DALE T. & MARY R. WOOD	03-B46-46
E	MARY WOOD	03-B41-84
F	BARRY L. & PATRICIA A. GREATHOUSE	03-B41-82
G	ROBERT J. MILLER, JR., LINDA MILLER & ET AL	03-B41-47
H	WILLIAM & DAWNA MILLER	03-B41-61
I	SANDRA W. BUTLER	03-B41-71
J	RONALD C. BUTLER, ET AL	03-B41-70
K	FRANK & KELLEY AINSCOUGH	03-B41-89
L	FRANK & KELLEY AINSCOUGH	03-B41-61-7
M	DANIEL R. GORBY	03-B41-61-6
N	COREY CONLEY	03-B41-61-5
O	CARL & JUDITH SPENCER	03-B41-65
P	EMILY J. HUFFNER	03-B41-65-1
Q	ERNEST & JOANN P. CAPP	03-B41-63
R	ERNEST & JOANN PAULINE CAPP	03-B41-53
S	ERNEST F. & JOANNE CAPP	03-B41-52
T	WINDSOR POWER HOUSE COAL COMPANY	03-B41-49
U	WINDSOR POWER HOUSE COAL COMPANY	03-B36-103
V	WINDSOR POWER HOUSE COAL COMPANY	03-B36-101
W	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-36
X	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-33
Y	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-21
Z	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-22
AA	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-23
AB	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-25
AC	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-26
AD	WINDSOR POWER HOUSE COAL COMPANY	03-B36L-28
AE	LESTER & KATHERINE WALLACE	03-B36L-03
AF	LESTER & KATHERINE WALLACE	03-B36L-04
AG	LESTER & KATHERINE WALLACE	03-B36L-05
AH	NICHOLAS S. MINDA (L/E: NORA J. MINDA)	03-B36L-07
AI	LESTER & KATHERINE WALLACE	03-B36L-08

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R-V+}_A
Production Company™

OPERATOR'S

KATHY MAYHEW BRK

DATE: 01-15-2020

WELL #:

1H

API NO: 47-009-00203

DISTRICT:
BUFFALO

COUNTY:
BROOKE

STATE:
WV

DRAWN BY: R. GRIMES

SCALE: N/A

DRAWING NO: 2018-341

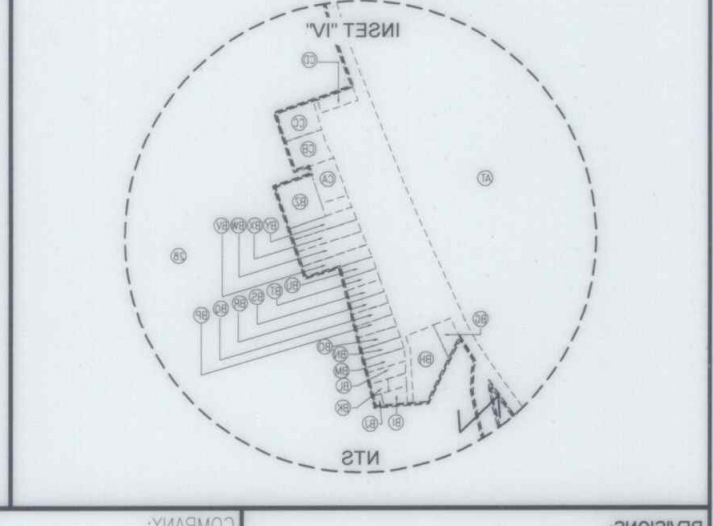
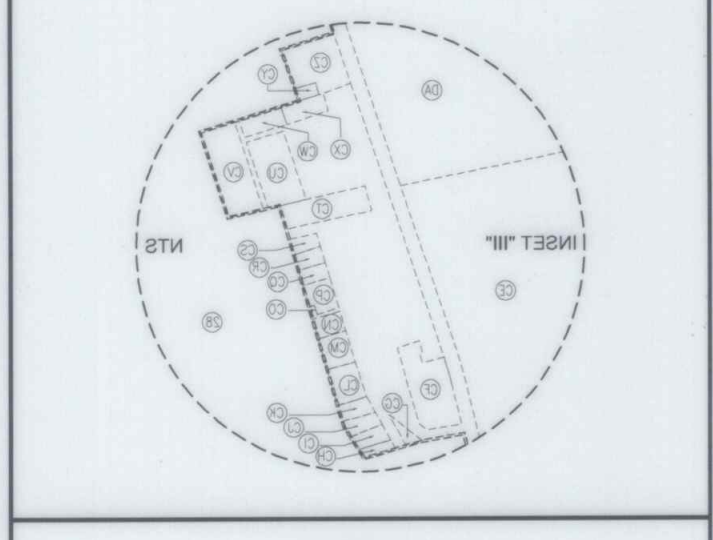
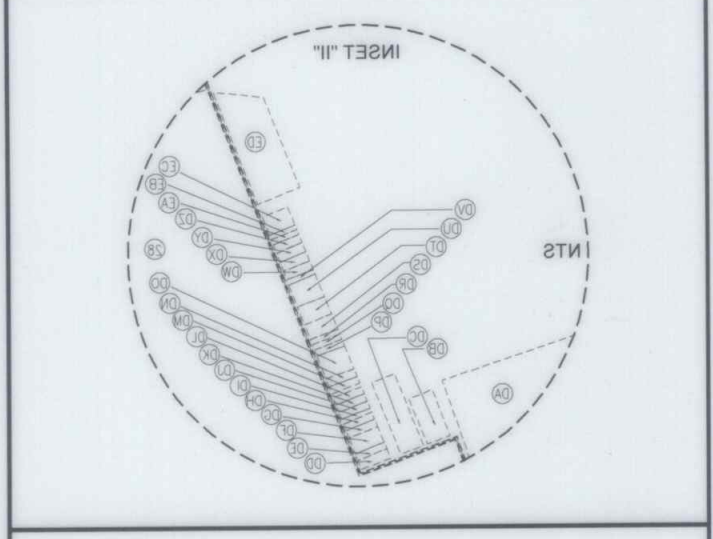
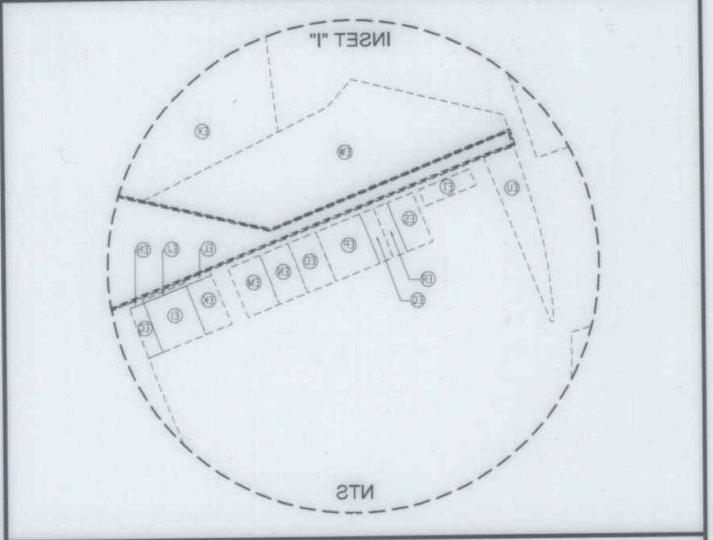
WELL LOCATION PLAT

PROPERTY NUMBER 2501166338

PAD ID 3001156092

TRACT	SURFACE OWNER	TAX PARCEL
42	STATE ROUTE #2	RIGHT OF WAY
41	ALADDIN SIGNS, INC	01-BB31-25
40	PAUL T. BILLARD	01-BB31-22
39	PAUL T. BILLARD	01-BB31-23
38	ALADDIN SIGNS, INC	01-BB31-24
37	CARL P. & MARGARET NIELSEN	01-BB31-28
36	HAROLD THOMAS CROW	01-BB31-23
35	GLADYS VIRGINIA CROW	01-BB31-22
34	CARL P. & MARGARET NIELSEN	03-BB31-28
33	ALBERT T. & SHEILA PELL	01-BB31-25
32	OTIS M. JR. & EDNA JO BAKER	01-BB31-19
31	UNKNOWN	03-BB31-24
30	LOUIS & ARLINE MILLER	03-BB31-05
29	LOUIS & ARLINE MILLER	03-BB31-06
28	BUSINESS DEVELOPMENT CORP OF THE NORTHERN PANHANDLE	01-BB31-23.1
27	JOHN BADO	03-BB31-02
26	LESTER & KATHERINE WALLACE	03-BB31-01
25	JOHN BADO	03-BB31-01
24	HUBERT ESTES & ERMA HEADEN	03-BB31-02
23	HUBERT ESTES & ERMA HEADEN	03-BB31-29
22	DAVID W. DEWITT	03-BB31-21
21	FLOYD R. & DORIS M. LOUGHRIE	03-BB31-30
20	FLOYD R. & DORIS M. LOUGHRIE	03-BB31-32
19	KEITH L. HAMILTON	03-BB31-24
18	KEITH L. HAMILTON	03-BB31-25
17	KEITH HAMILTON	03-BB31-22
16	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-104
15	MARK PHILLIPS, ET AL	03-BB31-107
14	CAROL L. DUFFY	03-BB31-112
13	LORETTA JOAN BASIL	03-BB31-99
12	ERNEST F. & JOANNE P. CAPP	03-BB31-84
11	ERNEST F. & JOANNE P. CAPP	03-BB31-98
10	ELIZABETH ELLEN FLUHRARY	03-BB31-95
9	CHARLES J. SUTER & D. LA VANGHINI	03-BB31-84
8	RUTH A. HERCULES	03-BB31-91
7	GARY MORRIS	03-BB31-90
6	RUTH A. HERCULES	03-BB31-88
5	SANDRA W. BUTLER	03-BB31-72
4	SANDRA W. BUTLER	03-BB31-78
3	JAY GLEN COLLINS	03-BB31-79
2	JAY GLEN COLLINS	03-BB31-80
1	KATHY LYNN & JAMES MAYHEW, ET AL (S/R)	03-BB31-22

TRACT	SURFACE OWNER	TAX PARCEL
A	JOSEPH S. & JANE M. BURK	03-BB31-19
B	JAMES LAMONT	03-BB31-1
C	BETSY D. TUSTIN	03-BB31-21
D	DALE T. & MARY R. WOOD	03-BB31-46
E	MARY WOOD	03-BB31-84
F	BARRY J. & PATRICIA A. GREATHOUSE	03-BB31-82
G	ROBERT J. MILLER, JR., LINDA MILLER & ET AL	03-BB31-42
H	WILLIAM & DAWN MILLER	03-BB31-81
I	SANDRA W. BUTLER	03-BB31-71
J	RONALD C. BUTLER, ET AL	03-BB31-70
K	FRANK & KELLEY ANSCOUGH	03-BB31-88
L	FRANK & KELLEY ANSCOUGH	03-BB31-81.7
M	DANIEL R. GORBY	03-BB31-81.6
N	COREY CONLEY	03-BB31-81.5
O	CARL & JUDITH SPENCER	03-BB31-85
P	EMILY J. HUFFERER	03-BB31-82.1
Q	ERNEST & JOANNE P. CAPP	03-BB31-83
R	ERNEST & JOANNE PAULINE CAPP	03-BB31-83
S	ERNEST F. & JOANNE CAPP	03-BB31-82
T	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-49
U	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-103
V	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-101
W	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-36
X	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-23
Y	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-21
Z	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-22
AA	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-23
AB	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-25
AC	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-26
AD	WINDSOR POWER HOUSE COAL COMPANY	03-BB31-28
AE	LESTER & KATHERINE WALLACE	03-BB31-03
AF	LESTER & KATHERINE WALLACE	03-BB31-04
AG	LESTER & KATHERINE WALLACE	03-BB31-05
AH	NICHOLAS S. MINDA (JCE) NORA J. MINDA	03-BB31-07
AI	LESTER & KATHERINE WALLACE	03-BB31-08



		COMPANY:	
DATE: 01-12-2020 API NO: 47-009-00203 DRAWN BY: R. GRIMES		OPERATOR'S:	
SCALE: N/A DRAWING NO: 2018-341 WELL LOCATION PLAN		WELL #:	
STATE: WV	COUNTY: BROOKE	DISTRICT: BUFFALO	REVISIONS:
KATHY MAYHEW BRK 1H		REVISIONS:	

WELL #: 11
OPERATOR'S: KATHY MAYHEW BRK
DISTRICT: BROOKE
COUNTY: BROOKE
STATE: WV
DATE: 01-15-2020
API NO.: 47-009-00203
DRAWN BY: R. GRIMES
SCALE: N/A
DRAWING NO.: 2018-341
WELL LOCATION: PLAT



PROPERTY NUMBER 2501166338
 P&ID 3001156025

REVISIONS:

COMPANY: SWN Production Company, LLC

TRACT	SURFACE OWNER	TAX PARCEL
EA	MONONACHAEL POWER COMPANY	01-B36-23
EZ	JANET L. RICHARDSON	01-B36-24
DY	JANET L. RICHARDSON	01-B36-25
DX	JANET L. RICHARDSON	01-B36-26
DW	JANET L. RICHARDSON	01-B36-27
DV	JANET L. RICHARDSON	01-B36-28
DU	JOYCE L. PAINTER	01-B36-29
DT	THE VILLAGE OF BEECH BOTTOM	01-B36-30
DS	LELAND J. & TRACY A. DICKINSON	01-B36-31
DR	EDWARD A. POLANO	01-B36-32
DP	JUNE E. MORRELL	01-B36-33
DQ	JUNE E. MORRELL	01-B36-34
DO	KENNETH R. ROMAN	01-B36-35
DN	JUNE E. MORRELL	01-B36-36
DM	JUNE E. MORRELL	01-B36-37
DL	JEFFREY L. STOLAR	01-B36-38
DK	JEFFREY & CHERYL WEEKLEY	01-B36-39
DJ	CAROLYN K. MOORE	01-B36-40
DI	GLENN T. & CAROLYN MOORE	01-B36-41
DH	PHYLLIS MARKER	01-B36-42
DG	SHELBY L. CASTO	01-B36-43
DF	SHELBY L. CASTO	01-B36-44
DE	MICHAEL EDWARD & EMMA FEDCZAK	01-B36-45
DD	MICHAEL EDWARD & EMMA FEDCZAK	01-B36-46
DC	JAC FRED W. LLC (A NORTH CAROLINA LLC)	01-B36-47
DB	BUSINESS DEVELOPMENT CORP OF THE NORTHERN PANHANDLE	01-B36-48
DA	MARRA T. SVETIC	01-B36-49
CZ	C & P TELEPHONE COMPANY OF WEST VIRGINIA	01-B36-50
CY	GEORGE W. & CHARLOTTE BARNHART	01-B36-51
CX	GEORGE W. & CHARLOTTE BARNHART	01-B36-52
CW	TERRY LYNN LILLY	01-B36-53
CV	BRUCE & DEBBI SELMON	01-B36-54
CU	BRUCE & DEBBI SELMON	01-B36-55
CT	AMY N. FRYE	01-B36-56
CS	JOHN ESKEY	01-B36-57
CR	TARA D. SUTER	01-B36-58
CQ	TARA D. SUTER	01-B36-59
CO	WILLIAM E. & DEBRA L. LEONARD	01-B36-60
CP	WILLIAM E. & DEBRA L. LEONARD	01-B36-61
CO	UNKNOWN	01-B36-62
CN	GARY EDWARD & CONSTANCE J. COOPER	01-B36-63
CM	NICHOLAS RYANWEC	01-B36-64
CL	WILLIAM JONES	01-B36-65
CK	WILLIAM JONES	01-B36-66
CJ	CURTIS D. & TINA L. OSZMAN	01-B36-67
CI	VILLAGE OF BEECH BOTTOM	01-B36-68
CH	DOLores VIRGINIA COEN	01-B36-69
CG	VILLAGE OF BEECH BOTTOM	01-B36-70
CF	DENNIS RUSCHEL	01-B36-71
CE	BUSINESS DEVELOPMENT CORP OF THE NORTHERN PANHANDLE	01-B36-72
CD	WANDA S. JONES	01-B36-73
CC	MARRISA J. FORSHY	01-B36-74
CB	MARRISA J. FORSHY	01-B36-75
CA	DONALD E. & PATRICIA A. GILBERT	01-B36-76
BZ	MARISA J. & ROBERT J. FORSHY	01-B36-77
BY	LINDA BARBARA SPENCER	01-B36-78
BX	CARL B. LINDSEY	01-B36-79
BW	MORRIS W. BLEAU	01-B36-80
BV	MORRIS W. BLEAU	01-B36-81
BU	MORRIS BLEAU	01-B36-82
BT	DONALD & ROSEMARIE MEADOWS	01-B36-83
BQ	JOHN MILLER	01-B36-84
BS	JOHN MILLER	01-B36-85
BR	ALYSSA R. NEGRI	01-B36-86
BO	ALYSSA R. NEGRI	01-B36-87
BP	JOHN & VIOL E. CORSO	01-B36-88
BQ	JOHN & VIOL E. CORSO	01-B36-89
BK	JAMES D. MEDOWS	01-B36-90
BL	JAMES D. MEDOWS	01-B36-91
BM	MARK L. & SHARON KAY JORDAN	01-B36-92
BN	MARK L. & SHARON KAY JORDAN	01-B36-93
BN	JOHN & VIOL E. CORSO	01-B36-94
BN	JOHN & VIOL E. CORSO	01-B36-95
BA	FRANKLIN & CONNIE J. MILLER	01-B36-96
BB	FRANKLIN & CONNIE J. MILLER	01-B36-97
BB	FRANKLIN MILLER	01-B36-98
BA	FRANKLIN MILLER	01-B36-99
BA	FRANKLIN MILLER	01-B36-100
BA	FRANKLIN MILLER	01-B36-101
BA	FRANKLIN MILLER	01-B36-102
BA	FRANKLIN MILLER	01-B36-103
BA	FRANKLIN MILLER	01-B36-104
BA	FRANKLIN MILLER	01-B36-105
BA	FRANKLIN MILLER	01-B36-106
BA	FRANKLIN MILLER	01-B36-107
BA	FRANKLIN MILLER	01-B36-108
BA	FRANKLIN MILLER	01-B36-109
BA	FRANKLIN MILLER	01-B36-110
BA	FRANKLIN MILLER	01-B36-111
BA	FRANKLIN MILLER	01-B36-112
BA	FRANKLIN MILLER	01-B36-113
BA	FRANKLIN MILLER	01-B36-114
BA	FRANKLIN MILLER	01-B36-115
BA	FRANKLIN MILLER	01-B36-116
BA	FRANKLIN MILLER	01-B36-117
BA	FRANKLIN MILLER	01-B36-118
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BA	FRANKLIN MILLER	01-B36-121
BA	FRANKLIN MILLER	01-B36-122
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BA	FRANKLIN MILLER	01-B36-125
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BA	FRANKLIN MILLER	01-B36-138
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BA	FRANKLIN MILLER	01-B36-140
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BA	FRANKLIN MILLER	01-B36-142
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BA	FRANKLIN MILLER	01-B36-297
BA	FRANKLIN MILLER	01-B36-298
BA	FRANKLIN MILLER	01-B36-299
BA	FRANKLIN MILLER	01-B36-300

TRACT	SURFACE OWNER	TAX PARCEL
HZ	DONNA HARMS & CAROLYN BARNES	01-B36-118
HR	DONNA HARMS & CAROLYN BARNES	01-B36-119
HO	ALFRED B. JR. & CATHY COEN	01-B36-120
HP	MARK LLOYD & JOANN VAN HORN	01-B36-121
HO	ALFRED B. JR. & CATHY COEN	01-B36-122
HO	ALFRED B. JR. & CATHY COEN	01-B36-123
HO	ALFRED B. JR. & CATHY COEN	01-B36-124
HO	ALFRED B. JR. & CATHY COEN	01-B36-125
HO	ALFRED B. JR. & CATHY COEN	01-B36-126
HO	ALFRED B. JR. & CATHY COEN	01-B36-127
HO	ALFRED B. JR. & CATHY COEN	01-B36-128
HO	ALFRED B. JR. & CATHY COEN	01-B36-129
HO	ALFRED B. JR. & CATHY COEN	01-B36-130
HO	ALFRED B. JR. & CATHY COEN	01-B36-131
HO	ALFRED B. JR. & CATHY COEN	01-B36-132
HO	ALFRED B. JR. & CATHY COEN	01-B36-133
HO	ALFRED B. JR. & CATHY COEN	01-B36-134
HO	ALFRED B. JR. & CATHY COEN	01-B36-135
HO	ALFRED B. JR. & CATHY COEN	01-B36-136
HO	ALFRED B. JR. & CATHY COEN	01-B36-137
HO	ALFRED B. JR. & CATHY COEN	01-B36-138
HO	ALFRED B. JR. & CATHY COEN	01-B36-139
HO	ALFRED B. JR. & CATHY COEN	01-B36-140
HO	ALFRED B. JR. & CATHY COEN	01-B36-141
HO	ALFRED B. JR. & CATHY COEN	01-B36-142
HO	ALFRED B. JR. & CATHY COEN	01-B36-143
HO	ALFRED B. JR. & CATHY COEN	01-B36-144
HO	ALFRED B. JR. & CATHY COEN	01-B36-145
HO	ALFRED B. JR. & CATHY COEN	01-B36-146
HO	ALFRED B. JR. & CATHY COEN	01-B36-147
HO	ALFRED B. JR. & CATHY COEN	01-B36-148
HO	ALFRED B. JR. & CATHY COEN	01-B36-149
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HO	ALFRED B. JR. & CATHY COEN	01-B36-151
HO	ALFRED B. JR. & CATHY COEN	01-B36-152
HO	ALFRED B. JR. & CATHY COEN	01-B36-153
HO	ALFRED B. JR. & CATHY COEN	01-B36-154
HO	ALFRED B. JR. & CATHY COEN	01-B36-155
HO	ALFRED B. JR. & CATHY COEN	01-B36-156
HO	ALFRED B. JR. & CATHY COEN	01-B36-157
HO	ALFRED B. JR. &	