

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

API 47 - 009 - 00309 County BROOKE District CROSS CREEK
Quad STEUBENVILLE EAST, WV Pad Name STATE OF WV DNR C BRK PAD Field/Pool Name PANHANDLE FIELD WET
Farm name STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION Well Number STATE OF WV DNR C BRK 10H
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 4,461,417.434 Easting 539,283.422
Landing Point of Curve Northing 4,461,407.817 Easting 539,635.257
Bottom Hole Northing 4,455,469.744 Easting 541,974.013

Elevation (ft) 988.1' 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 1/12/2021 Date drilling commenced 1/18/2021 Date drilling ceased 4/06/2021
Date completion activities began 4/17/2021 Date completion activities ceased 5/25/2021
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

RECEIVED
Office of Oil and Gas

Freshwater depth(s) ft 371 Open mine(s) (Y/N) depths _____
Salt water depth(s) ft 575 Void(s) encountered (Y/N) depths _____
Coal depth(s) ft 549 Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) N

AUG 04 2021
WV Department of
Environmental Protection
N

Reviewed by:
Bary Stiles
8/25/2021

WR-35
Rev. 8/23/13

API 47-009 - 00309

Farm name _____ Well number STATE OF WV DNR C BRK 10H

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	421	NEW	J-55/48#	168.6	Y, 36 BBLs
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	1,390	NEW	J-55/36#		Y, 34 BBLs
Intermediate 2	12.25	9.625					
Intermediate 3							
Production	8.75/8.50	5.5	25,159	NEW	P-110HP/20#		Y, 50 BBLs
Tubing		2.375	6,133	NEW	P-110/6.5#		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	444	15.60	1.20	532.8	SURFACE	8
Coal	SEE INTERMEDIATE						
Intermediate 1	CLASS A	526	15.60	1.19	625.94	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4,494	15.60	1.30	5,842.2	SURFACE	24
Tubing							

Drillers TD (ft) 27,115' Loggers TD (ft) 27,115'
 Deepest formation penetrated _____ Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 4,903

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

RECEIVED
Office of Oil and Gas

AUG 04 2021

WV Department of
Environmental Protection

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 _____

09/10/2021

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/18/2021
Job End Date:	5/9/2021
State:	West Virginia
County:	Brooke
API Number:	47-009-00309-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	STATE OF WV DNR C BRK 10
Latitude:	40.30234100
Longitude:	-80.53774500
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,739
Total Base Water Volume (gal):	30,866,300
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
Base Water	Operator	Base Fluid					
			Water	7732-18-5	100.00000	88.53191	Density = 8.345
Ingredients	WV Department of Environmental Protection	Listed Above	Water	7732-18-5	85.00000	0.33829	

RECEIVED
Office of Oil and Gas
AUG 11 2021
WV Department of Environmental Protection

09/10/2021

Sand	SWN Well Services	Proppant						
					Listed Below			
Ecopol-FEAC	SWN Well Services	Iron Control			Listed Below			
HCL	SWN Well Services	Solvent			Listed Below			
Econo-CI200	SWN Well Services	Corrosion Inhibitor			Listed Below			
Tolicide PS 50A	SWN Well Services	Biocide			Listed Below			
SWN FRW-11LC	SWN Well Services	Friction Reducer			Listed Below			
Plexaid 655WG	SWN Well Services	Scale Inhibitor			Listed Below			
<div style="text-align: center;"> <p>RECEIVED Office of Oil and Gas SEP 04 2021 West Virginia Department of Environmental Protection</p> </div>								
<div style="text-align: center;"> <p>Items above are Trade Names with the exception of Base Water. Items below are the individual ingredients.</p> </div>								
			Crystalline Silica, quartz	14808-60-7	100.00000	11.04016		
			Hydrochloric Acid	7647-01-0	15.00000	0.04424		
			Petroleum Distillates, Hydrotreated	64742-47-8	25.00000	0.02841		
			Tetrakis	55566-30-8	55.00000	0.00644		
			Glycerin	56-81-5	50.00000	0.00295		

09/10/2021

			Ammonium Chloride	12125-02-9	2.00000	0.00227
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00170
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00170
			Diethylenetriamine penta	15827-60-8	10.00000	0.00059
			Acetic Acid	64-19-7	37.50000	0.00051
			Methanol	67-56-1	80.00000	0.00032
			Citric Acid	77-92-9	22.50000	0.00031
			Acrylic acid terpolymer	397256-50-7	1.00000	0.00012
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00004
			Fatty acids	61790-12-3	5.02700	0.00002
			Modified thiourea polymer	68527-49-1	4.74600	0.00002
			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)

RECEIVED
Office of Oil and Gas
AUG 04 2021
WV Department of
Environmental Protection

09/10/2021

State of WV DNR C BRK 10H
ATTACHMENT 1
PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	4/18/2021	25,075	24,986	36
2	4/19/2021	24,952	24,774	36
3	4/19/2021	24,741	24,562	36
4	4/19/2021	24,529	24,351	36
5	4/20/2021	24,318	24,139	36
6	4/20/2021	24,106	23,928	36
7	4/20/2021	23,895	23,717	36
8	4/20/2021	23,683	23,505	36
9	4/21/2021	23,472	23,294	36
10	4/21/2021	23,260	23,082	36
11	4/21/2021	23,049	22,871	36
12	4/22/2021	22,838	22,659	36
13	4/22/2021	22,626	22,448	36
14	4/22/2021	22,415	22,237	36
15	4/22/2021	22,203	22,025	36
16	4/22/2021	21,992	21,814	36
17	4/23/2021	21,780	21,602	36
18	4/23/2021	21,565	21,389	36
19	4/24/2021	21,358	21,179	36
20	4/24/2021	21,146	20,968	36
21	4/24/2021	20,935	20,756	36
22	4/24/2021	20,723	20,545	36
23	4/24/2021	20,512	20,334	36
24	4/24/2021	20,300	20,122	36
25	4/24/2021	20,089	19,911	36
26	4/25/2021	19,877	19,701	36
27	4/25/2021	19,666	19,488	36
28	4/25/2021	19,455	19,276	36
29	4/25/2021	19,243	19,065	36
30	4/25/2021	19,032	18,854	36
31	4/26/2021	18,820	18,642	36
32	4/26/2021	18,609	18,431	36
33	4/26/2021	18,397	18,219	36
34	4/26/2021	18,186	18,008	36
35	4/26/2021	17,975	17,796	36
36	4/27/2021	17,763	17,585	36
37	4/27/2021	17,552	17,373	36
38	4/27/2021	17,340	17,162	36
39	4/28/2021	17,129	16,951	36
40	4/28/2021	16,917	16,739	36
41	4/28/2021	16,706	16,528	36
42	4/28/2021	16,494	16,316	36
43	4/28/2021	16,283	16,105	36
44	4/29/2021	16,072	15,893	36
45	4/29/2021	15,860	15,682	36
46	4/29/2021	15,649	15,471	36
47	4/29/2021	15,437	15,259	36
48	4/29/2021	15,226	15,048	36

RECEIVED
Office of Oil and Gas
AUG 30 4 2021
WV Department of
Environmental Protection

State of WV DNR C BRK 10H
ATTACHMENT 1
PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
49	4/30/2021	15,014	14,836	36
50	4/30/2021	14,803	14,625	36
51	4/30/2021	14,592	14,413	36
52	4/30/2021	14,380	14,202	36
53	4/30/2021	14,169	13,990	36
54	5/1/2021	13,957	13,779	36
55	5/1/2021	13,746	13,568	36
56	5/1/2021	13,534	13,356	36
57	5/1/2021	13,323	13,145	36
58	5/1/2021	13,111	12,933	36
59	5/2/2021	12,900	12,722	36
60	5/2/2021	12,689	12,510	36
61	5/3/2021	12,477	12,299	36
62	5/3/2021	12,266	12,088	36
63	5/4/2021	12,054	11,876	36
64	5/4/2021	11,843	11,665	36
65	5/4/2021	11,631	11,453	36
66	5/4/2021	11,420	11,242	36
67	5/4/2021	11,209	11,030	36
68	5/5/2021	10,997	10,819	36
69	5/5/2021	10,786	10,607	36
70	5/5/2021	10,574	10,396	36
71	5/5/2021	10,363	10,185	36
72	5/5/2021	10,151	9,973	36
73	5/6/2021	9,940	9,762	36
74	5/6/2021	9,728	9,550	36
75	5/7/2021	9,517	9,339	36
76	5/7/2021	9,306	9,127	36
77	5/7/2021	9,094	8,916	36
78	5/7/2021	8,883	8,704	36
79	5/7/2021	8,671	8,493	36
80	5/8/2021	8,460	8,282	36
81	5/8/2021	8,248	8,070	36
82	5/8/2021	8,037	7,859	36
83	5/8/2021	7,826	7,647	36
84	5/8/2021	7,614	7,436	36
85	5/8/2021	7,403	7,224	36
86	5/8/2021	7,191	7,013	36
87	5/9/2021	6,980	6,802	36
88	5/9/2021	6,768	6,590	36
89	5/9/2021	6,557	6,379	36
90	5/9/2021	6,345	6,167	36

RECEIVED
Office of Oil and Gas
AUG 04 2021
WV Department of
Environmental Protection

State of WV DNR C BRK 10H
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	4/18/2021	76.38	8,092	6,389	3,444	196,800	6,992	0
2	4/19/2021	80.7	7,910	6,496	3,765	368,600	9,395	0
3	4/19/2021	92.78	8,605	5,120	4,181	358,640	10,178	0
4	4/19/2021	87.2	7,859	6,011	4,421	365,840	9,434	0
5	4/20/2021	88.78	7,917	6,501	4,156	360,720	9,401	0
6	4/20/2021	87.67	8,196	6,989	4,320	357,800	9,126	0
7	4/20/2021	85.9	8,090	6,601	4,214	358,600	9,128	0
8	4/20/2021	90.9	8,267	5,386	3,401	359,320	9,009	0
9	4/21/2021	93.89	8,247	6,011	4,266	357,820	9,025	0
10	4/21/2021	95.1	8,478	6,201	4,310	354,480	8,809	0
11	4/21/2021	93	8,235	5,847	4,465	362,880	8,664	0
12	4/22/2021	97.4	8,067	5,027	4,521	361,660	8,584	0
13	4/22/2021	93.6	8,351	6,223	4,452	363,260	8,526	0
14	4/22/2021	97.7	8,423	6,167	4,360	363,900	8,774	0
15	4/22/2021	87.5	8,168	6,064	4,256	361,940	8,737	0
16	4/23/2021	91.7	8,137	6,006	4,347	354,080	8,825	0
17	4/23/2021	97.7	8,287	6,002	4,412	356,920	8,382	0
18	4/23/2021	99.3	8,302	5,797	4,278	358,720	8,474	0
19	4/23/2021	98.3	8,084	5,692	4,435	364,340	8,810	0
20	4/24/2021	92.1	7,985	5,801	4,312	358,200	8,397	0
21	4/24/2021	99.2	8,207	5,732	4,428	362,480	8,332	0
22	4/24/2021	98.6	8,442	6,113	4,511	353,500	8,335	0
23	4/24/2021	98.9	8,238	5,932	4,392	358,020	8,667	0
24	4/24/2021	91.3	7,922	5,702	4,320	360,820	8,611	0
25	4/25/2021	96.1	8,036	5,222	4,451	359,900	8,858	0
26	4/25/2021	98.9	8,163	5,722	4,352	362,380	8,291	0
27	4/25/2021	99.2	8,214	5,472	4,503	353,500	8,187	0
28	4/25/2021	99.6	8,237	5,810	4,569	360,420	8,231	0
29	4/25/2021	100.2	7,936	5,721	4,444	354,620	8,643	0
30	4/25/2021	95.1	8,233	5,489	4,401	362,620	8,760	0
31	4/26/2021	99	7,913	5,199	4,102	362,180	8,146	0
32	4/26/2021	99.5	8,003	5,720	4,325	355,180	8,283	0
33	4/26/2021	100	7,991	5,893	4,250	354,300	7,877	0
34	4/26/2021	99.7	8,100	5,710	4,425	356,370	8,109	0
35	4/27/2021	97.8	7,975	6,487	4,597	363,340	8,265	0
36	4/27/2021	96.8	7,565	5,676	4,813	356,520	8,580	0
37	4/27/2021	86	8,145	5,623	4,104	352,060	9,009	0
38	4/27/2021	99.8	8,035	5,950	4,483	362,320	8,350	0
39	4/28/2021	98.7	7,992	5,480	4,401	362,420	8,373	0
40	4/28/2021	91.7	7,245	4,369	4,899	363,360	8,102	0
41	4/28/2021	92.5	7,810	5,687	4,947	373,700	8,286	0
42	4/28/2021	96.77	7,845	5,502	4,431	362,340	9,431	0
43	4/28/2021	99.3	7,817	5,525	4,421	359,280	8,560	0
44	4/29/2021	99.5	7,760	4,817	4,429	362,300	8,423	0
45	4/29/2021	93	7,726	6,012	4,596	357,840	8,136	0
46	4/29/2021	86	7,837	4,854	4,607	353,860	8,903	0
47	4/29/2021	99.5	7,708	5,314	4,507	357,160	8,903	0
48	4/29/2021	98.4	7,640	5,318	4,479	361,100	8,903	0
49	4/30/2021	99	7,455	5,654	4,396	352,500	8,516	0
50	4/30/2021	93.2	7,584	5,837	4,489	352,330	8,087	0
51	4/30/2021	93.8	7,481	5,641	4,478	360,280	8,283	0
52	4/30/2021	100	7,549	5,534	4,324	353,600	8,106	0
53	4/30/2021	100	7,480	4,547	4,481	358,420	8,181	0

RECEIVED
Office of Oil and Gas
APR 30 4 2021
WV Department of
Environmental Protection

State of WV DNR C BRK 10H

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
54	5/1/2021	98	7,326	5,564	4,703	356,660	8,411	0
55	5/1/2021	93.5	7,612	4,711	4,530	357,940	7,716	0
56	5/1/2021	93.1	7,348	4,398	4,604	353,240	7,541	0
57	5/1/2021	99	7,474	4,532	4,432	357,740	8,172	0
58	5/2/2021	94.1	7,222	5,427	4,266	359,780	7,886	0
59	5/2/2021	92.5	7,292	5,327	4,069	359,640	7,270	0
60	5/2/2021	98.5	7,570	5,404	4,113	359,300	7,847	0
61	5/3/2021	99.5	7,232	5,237	4,411	359,040	7,657	0
62	5/3/2021	100	6,905	5,263	4,402	359,420	7,966	0
63	5/4/2021	93.6	7,847	5,116	4,298	357,780	7,856	0
64	5/4/2021	85.57	7,482	5,534	4,238	353,840	8,483	0
65	5/4/2021	99	6,873	5,316	4,231	352,880	7,927	0
66	5/4/2021	98.5	6,877	5,255	4,164	358,880	7,844	0
67	5/5/2021	99	6,988	5,481	4,212	356,380	7,727	0
68	5/5/2021	95	6,978	5,328	4,234	351,180	7,415	0
69	5/5/2021	90.8	7,090	5,514	4,196	353,560	7,373	0
70	5/5/2021	100	7,145	5,251	4,231	353,940	7,611	0
71	5/5/2021	99	7,021	4,479	4,225	353,480	7,484	0
72	5/6/2021	99.5	6,944	5,267	4,212	358,140	7,588	0
73	5/6/2021	94.3	6,866	5,307	4,322	358,830	7,283	0
74	5/6/2021	99	6,901	5,421	4,375	360,060	7,570	0
75	5/7/2021	100	6,798	4,916	4,345	362,900	7,521	0
76	5/7/2021	95.1	6,559	4,875	4,277	358,360	7,426	0
77	5/7/2021	95.8	6,864	5,048	4,420	357,300	7,467	0
78	5/7/2021	100	6,643	5,110	4,226	357,180	7,701	0
79	5/7/2021	99	6,664	4,804	4,135	356,560	7,537	0
80	5/8/2021	100	6,672	5,117	4,122	366,140	7,406	0
81	5/8/2021	95.9	7,048	4,852	4,174	359,620	7,326	0
82	5/8/2021	96.6	6,849	4,510	4,118	355,540	7,792	0
83	5/8/2021	96.2	6,271	5,026	4,293	357,900	7,807	0
84	5/8/2021	97	5,972	5,112	4,168	358,240	7,343	0
85	5/8/2021	97.5	5,992	5,008	4,173	360,880	7,329	0
86	5/9/2021	99	6,193	4,875	4,187	363,180	7,547	0
87	5/9/2021	100	6,141	5,018	4,448	360,620	7,362	0
88	5/9/2021	97.5	5,744	4,712	4,952	357,200	7,417	0
89	5/9/2021	97.5	5,625	4,215	4,526	355,440	7,376	0
90	5/9/2021	96.2	5,528	4,871	4,186	356,500	7,560	0

RECEIVED
Office of Oil and Gas
AUG 04 2021
WV Department of
Environmental Protection

09/10/2021



Well Name: State of WV DNR C BRK 10H 47009003090000

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	371.00	371.00	
Top of Salt Water	575.00	575.00	NA	NA	
Pittsburgh Coal	6.00	6.00	549.00	549.00	
Raven Cliff (ss)	549.00	549.00	805.00	805.00	
Maxton (ss)	805.00	805.00	1188.00	1186.00	
Big Injun (ss)	1188.00	1186.00	1389.00	1388.00	
Berea (siltstone)	1566.00	1564.00	5154.00	5042.00	
Rhinestreet (shale)	5154.00	5042.00	5421.00	5285.00	
Cashaqua (shale)	5421.00	5285.00	5485.00	5338.00	
Middlesex (shale)	5485.00	5338.00	5566.00	5399.00	
Burket (shale)	5566.00	5399.00	5585.00	5414.00	
Tully (ls)	5585.00	5414.00	5673.00	5473.00	
Mahantango (shale)	5673.00	5473.00	5858.00	5567.00	
Marcellus (shale)	5858.00	5567.00	NA	NA	GAS

RECEIVED
Office of Oil and Gas
AUG 04 2021
WV Department of
Environmental Protection

09/10/2021

Latitude: 40°20'00"

SURFACE HOLE 10523'

Latitude: 40°15'00" BOTTOM HOLE

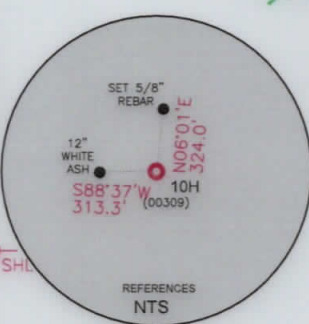
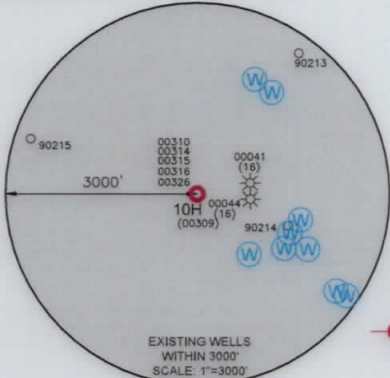
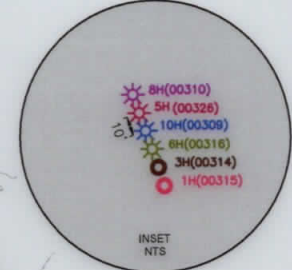
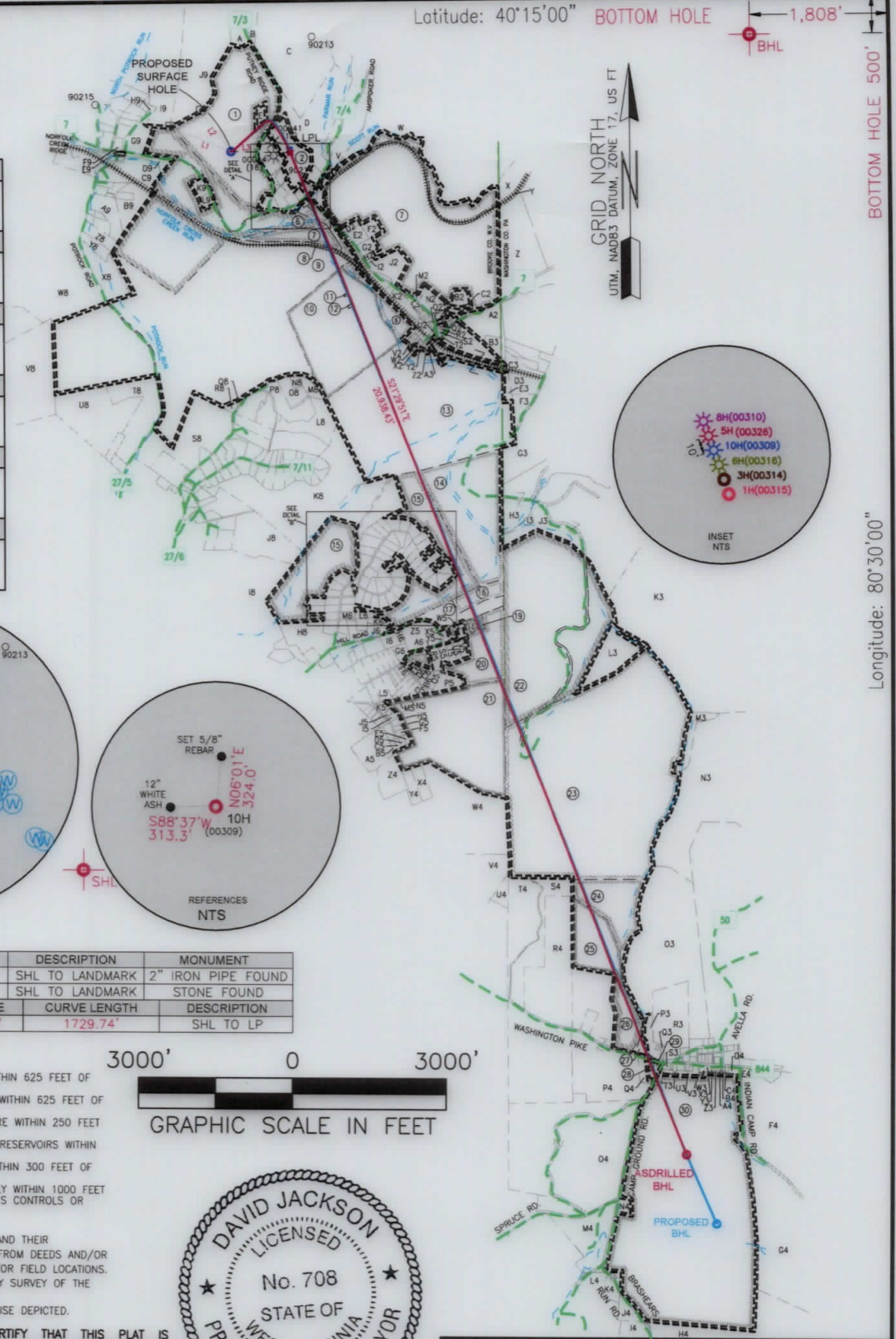
1,808'

JACKSON SURVEYING

INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,461,417.434	
EASTING: 539,283.422	
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,461,407.817	
EASTING: 539,635.257	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,455,469.744	
EASTING: 541,974.013	
SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,461,417.479	
EASTING: 539,283.420	
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,461,424.523	
EASTING: 539,629.719	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,455,045.705	
EASTING: 542,138.728	



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 67°18'07\"/>			

WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- 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.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

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. 708

David L Jackson



COMPANY: **SWN** Production Company, LLC

(+) 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: SURVEY GRADE GPS (NAVD 88, US FT)

STATE OF WV DNR C BRK

OPERATOR'S WELL #: 10H

API WELL #: 47 009 00309

STATE COUNTY PERMIT

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

WATERSHED: NORTH FORK CROSS CREEK - CROSS CREEK (HUC-10) ELEVATION: 988.1'

DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STEUBENVILLE EAST, WV

SURFACE OWNER: NATURAL RESOURCES, PUBLIC LAND CORPORATION ACREAGE: ±83.858

OIL & GAS ROYALTY OWNER: NATURAL RESOURCES, PUBLIC LAND CORPORATION ACREAGE: ±83.858

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

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) ASDRILLED 09/10/2021

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,860 TVD 27,115 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200



CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	PROPOSED SURFACE HOLE / BOTTOM HOLE	SURVEYED BOUNDARY	REVISIONS:	DATE: 07-09-2021
	EXISTING / PRODUCING WELLHEAD	DRILLING UNIT		
LPL	LEASE BOUNDARY	ASDRILLED PATH		DRAWN BY: N. MANO
EXISTING WATER WELL	PROPOSED PATH			SCALE: 1" = 3000'
EXISTING SPRING				DRAWING NO:
				WELL LOCATION PLAT

JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851



09/10/2021

REVISIONS:	COMPANY:		DATE: 07-09-2021	
	 			
	OPERATOR'S STATE OF WV DNR C BRK			API: 47-009-00309
	WELL #: 10H			DRAWN BY: N. MANO
DISTRICT: CROSS CREEK		COUNTY: BROOKE	SCALE: N/A	
		STATE: WV	DRAWING NO:	
			WELL LOCATION PLAT 2	

JACKSON SURVEYING
INC.
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S/R)	4-CC20-06
TRACT	SURFACE OWNER	TAX PARCEL
2	LINDY L. GALIANO & SANTY GALIANO (S)	4-CC20-19.1
3	WILLIAM MARINO & MILDRED T. MARINO (S)	4-CC20-35
4	EARL R. BLACK (S)	4-CC20-39
5	NORFOLK & WESTERN RAILWAY CO. (S)	4-C24B-29
6	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S)	4-CC19-169
7	NICKOLES 3, LLC (S)	4-CC20-33
8	NORFOLK & WESTERN RAILWAY CO. (S)	4-C19K-18
9	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S)	4-CC23-325
10	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S)	4-CC24-03
11	LARRY E. REED (S)	4-CC24-02
12	MICHAEL L. OBER (S)	4-CC24-01
13	MICHAEL OBER (S)	4-CC24-07
14	EUGENE CRUNY (S)	4-CC24-130
15	DEAN SMITH (S)	4-CC24-99
16	STARVAGGI INDUSTRIES (S)	4-CC24-129
17	MICHAEL D. JONES & LOIS J. JONES (S)	4-CC24-128
18	KEITH J. FISCHER & DAWN MARIE FISCHER (S)	4-CC24-152
19	RYAN J. COOK & EMILY M. COOK (S)	4-CC24-149
20	ELLEN CATTARUZZA (S)	4-CC29-39
21	DEBRA CYPHER, MATTHEW FAIR & SUSAN BRUFFY (S)	4-CC29-57
22	BROWNLEE LAND VENTURES (S)	370-001-00-00-0015-00
23	STATE LINE REAL ESTATE LLC (S)	370-004-00-00-0001-00
24	RONALD B. POWELL JR. & ROSEANNE POWELL (S)	370-007-00-00-0002-02
25	CHERYL BUTYA (S)	370-007-00-00-0002-01
26	DAVID J. DEMPSTER & HOANNE K. DEMPSTER (S)	370-007-00-00-0002-03
27	WILLIAM TACZAK & GEORGE TACZAK (S)	370-008-01-01-0001-01
28	LOWER BUFFALO PRESBYTERIAN CHURCH (S)	370-008-01-03-0001-00
29	LOWER BUFFALO PRESBYTERIAN CHURCH (S)	370-008-01-03-0002-00
30	JOSEPH J. DEPETRO III (S)	370-011-00-00-0009-00

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
A	JOHN ERNEST MILLER & JESSE ANDREW MILLER	4-CC20-04	D2	TIMOTHY J. DISERIO	4-CC20-42
B	DENNIS M. BREEN & SUSAN D. BREEN	4-CC20-22	E2	JAMES JOHNSON & CHARLENE JOHNSON	4-CC20-43
C	COLLIERS SPORTSMAN CLUB	4-CC20-21	F2	JEFFERY O. NICKOLES	4-CC20-33.1
D	LINDY L. BLACK	4-CC20-07	G2	JEFFERY NICKOLES, RANDY NICKOLES & GREGORY NICKOLES	4-C24B-01
E	WILLIAM MORGAN ROUSE & DORIS J. ROUSE	4-CC20-20	H2	EDWARD L. THOMPSON & CAROL J. THOMPSON	4-C24B-02
F	EDWARD L. CARTER & DEBORAH C. CARTER	4-CC20-18	I2	WVA DEPARTMENT OF HIGHWAYS	4-C24B-03
G	EDWARD L. CARTER & DEBORAH C. CARTER	4-CC20-17	J2	JANE KIERCE	4-C24B-04
H	ERIC T. GALIANO	4-CC20-16	K2	DEBRA MCQUILLAN & ANNETTE MILLER	4-C24B-28
I	ERIC T. GALIANO	4-CC20-14	L2	DEBRA MCQUILLAN & ANNETTE MILLER	4-C24B-27
J	ERIC T. GALIANO	4-CC20-19	M2	GREGORY NICKOLES	4-C24B-06
K	KEVIN MCCONNELL	4-CC20-11	N2	ANNETTE MILLER, FRANK MCQUILLAN & ANNA MAE MCQUILLAN	4-C24B-07
L	BARBARA J. MCCONNELL	4-CC20-10	O2	GREG NICKOLES & CAROL NICKOLES	4-C24B-16
M	SUSAN K. PRONCHIK	4-CC20-08	P2	H3, LLC.	4-C24B-15
N	SANTY GALIANO & LINDY GALIANO	4-CC20-38	Q2	GREG NICKOLES & CAROL NICKOLES	4-C24B-14
O	WAYNE L. HENDERSON & BETHANY A. HENDERSON	4-CC20-37	R2	GREG NICKOLES & CAROL NICKOLES	4-C24B-13
P	MILDRED T. MARINO & WILLIAM MARINO	4-CC20-36	S2	GREG NICKOLES & CAROL NICKOLES	4-C24B-12
Q	ERIC T. GALIANO	4-CC20-13	T2	GREG NICKOLES & CAROL NICKOLES	4-C24B-11
R	ERIC T. GALIANO	4-CC20-15	U2	JAMES JOHNSON & CHARLENE JOHNSON	4-C24B-10
S	ROBERT CLINE & DELORIS CLINE	4-CC20-34	V2	MICHAEL L. OBER	4-C24F-01
T	RON GASPARINE	4-CC20-40	W2	MICHAEL L. OBER	4-C24F-10
U	ROBERT G. HIGGINBOTHAM JR.	4-CC20-41	X2	MICHAEL L. OBER	4-C24F-09
V	DEBORAH K. SLIDAY	4-CC20-32	Y2	JOSEPH SANTORO & LINA SANTORO	4-C24F-08
W	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC20-25	Z2	ROBERT ANKROM & PEGGY ANKROM	4-C24F-12
X	CALVIN H. MYERS JR.	380-014-00-00-0002-00	A3	ROBERT ANKROM & PEGGY ANKROM	4-C24F-13
Y	JEFFERSON QTW EXEMPT PROPERTY	380-014-00-00-0001-00	B3	PITTSBURGH & WVA RAILWAY CO	4-C24F-14
Z	RANDY L. NICKOLES	380-015-00-00-0019-00	C3	JEFFERSON EXEMPT PROPERTY PITTSBURGH & WVA RAILWAY COMPANY	380-015-00-00-0011-00
A2	JEFFREY O. NICKOLES	4-C24B-09	D3	PITTSBURGH & WVA RAILWAY CO	380-015-00-00-0010-00
B2	RANDY L. NICKOLES	4-C24B-08	E3	PITTSBURGH & WVA RAILWAY CO	380-015-00-00-0010-00
C2	RANDY L. NICKOLES	4-C24B-33			09/10/2021

REVISIONS:

△ REVISED REFERENCES 06-05-2020

△ REVISED DHP 12-16-2020

COMPANY:

SWN

Production Company, LLC

SWN ^{R-V+}_A

Production Company™

OPERATOR'S STATE OF WV DNR C BRK

WELL #: 10H

DISTRICT: CROSS CREEK

COUNTY: BROOKE

API: 47-009-00309

STATE: WV

DATE: 07-09-2021

DRAWN BY: N. MANO

SCALE: N/A



DRAWING NO: WELL LOCATION PLAT 3

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

ADJOINING OWNERS TABLE			ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL	TRACT	SURFACE OWNER	TAX PARCEL
F3	WHEELING & LAKE ERIE RAILWAY	380-015-00-00-0010-01	S4	NICOLE R. SMITH & NEAL E. SMITH	370-007-00-00-0001-02
G3	ROBERT ROTELLINI & ANDREA L. PUSKARICH	380-015-00-00-0009-00	T4	RYAN M. SMITH & BROOKE N. SMITH	370-007-00-00-0001-01
H3	EUGENE CRUNY & JOSEPH A. JERAM	380-015-00-00-0008-00	U4	NEAL E. SMITH & JOAN W. SMITH	04-CC29-194.2
I3	EUGENE CRUNY & JOSEPH A. JERAM	370-001-00-00-0016-00	V4	RUTH ANN STEWART & MADELOD DAWN JACKSON	04-CC29-194
J3	DANIEL BANOVICH	370-001-00-00-0001-00	W4	ROBERT LEE FRESHWATER	04-CC29-134
K3	PETER J. KLOVANISH INC., PETE KLOVANISH	370-001-00-00-0012-00	X4	JERRY FLUHARTY & MARY FLUHARTY	04-CC29-133
L3	KENNETH D. VARNER JR. & CECELIA C. VARNER	370-001-00-00-0014-00	Y4	ROBERT L. YOUNG	04-CC29-132
M3	KENNETH D. VARNER JR. & CECILIA C. VARNER	370-004-00-00-0002-00	Z4	ERIC W. CAMPBELL	04-CC29-117
N3	ANGELO F. FALCONI & PHILLIP FALCONI	370-004-00-00-0003-00	A5	CHARLES L. KRAFT	04-CC29-111
O3	WILLIAM TACZAK & GEORGE TACZAK	370-004-00-00-0047-00	B5	EMILIO A. MUSCEDERE & JUDITH A. MUSCEDERE	04-CC29-53
P3	WILLIAM TACZAK & GEORGE TACZAK	370-008-01-01-0001-00	C5	EMILIO A. MUSCEDERE & JUDITH A. MUSCEDERE	04-CC29-54
Q3	NORMA V. HADDON	370-008-01-01-0003-00	D5	JOHN H. LYLE JR. & MARY CATHERINE LYLE	04-CC29-55
R3	OWINGS FAMILY TRUST, JOANNE OWINGS TRUSTEE	370-004-00-00-0046-00	E5	JOHN H. LYLE JR. & MARY C. LYLE	04-CC29-56
S3	FRANCIS M. COOKE JR. & MARGARET COOKE	370-008-01-03-0004-00	F5	BRIAN T. FERDA & VI-EVA FERDA	04-CC29-58
T3	LINDA LEA HALL	370-008-01-03-0003-00	G5	BRIAN T. FERDA & VI-EVA FERDA	04-CC29-59
U3	EUGENE F. GEORGETTI & SHIRLEY L. GEORGETTI	370-008-01-03-0006-00	H5	BRIAN T. FERDA & VI-EVA FERDA	04-CC29-60
V3	JOSEPH J. DEPETRO III	370-008-01-03-0011-00	I5	GARY KUSICH & PATRICIA ELAINE KUSICH	04-CC29-61
W3	JASON J. ATKINSON	370-008-01-03-0012-00	J5	GARY KUSICH & PATRICIA ELAINE KUSICH	04-CC29-62
X3	KENNETH H. RUSH & SANDRA K. RUSH	370-008-01-03-0013-00	K5	ROGER L. CLEM & MILDRED O. CLEM	04-CC29-63
Y3	ROBERT S. KLEM & TERESA A. KLEM	370-008-01-03-0014-00	L5	RONALD LEE HICKS & DEBRA V. HICKS	04-CC29-43
Z3	WALTER J. KOPKO & HOLLY A. KOPKO	370-008-01-03-0015-00	M5	ROBERT R. NEWTON JR.	04-CC29-41.1
A4	WALTER J. KOPKO & HOLLY A. KOPKO	370-008-01-03-0016-00	N5	NATALIE J. PAPSON	04-CC29-41
B4	LISA M. PITTMAN	370-008-01-03-0017-00	O5	MARK A. HONE & LAUREN M. HONE	04-CC29-39.2
C4	LISA M. PITTMAN	370-008-01-03-0018-00	P5	DAVID H. MCCLAIN & KAREN MCCLAIN	04-CC29-39.7
D4	INDEPENDENCE-EXEMPT PROPERTY, TOWNSHIP SUPERVISORS	370-008-01-03-0019-00	Q5	ARLEY R. MITCHELL & NANCY E. MITCHELL	04-CC29-39.11
E4	TERRY G. JACOBS JR. & SAMANTHA L. JACOBS	370-008-00-00-0008-00	R5	EMILY BEALL & STEPHANIE BEALL	04-CC29-39.15
F4	ROBERT L. DEPETRO JR. & REBECCA DEPETRO	370-008-00-00-0005-00	S5	JOSEPH E. CROSS JR. & JENNIFER L. CROSS	4-CC29-39.17
G4	JACK M. HOPWOOD	370-011-00-00-0010-01	T5	JOSEPH E. CROSS JR. & JENNIFER L. CROSS	4-CC29-39.21
H4	PAUL A. CUNNINGHAM	370-012-00-00-0002-00	U5	CHAD A. SOLE & MISTY D. SOLE	04-CC29-39.20
I4	GARY RUSH	370-011-00-00-0008-00	V5	COREY L. PALMER & ALLYSON M. PALMER	04-CC24-143
J4	JOSEPH J. DEPETRO	370-011-00-00-0009-02	W5	KENNETH JAY FISCHER & DAWN MARIE FISCHER	04-CC24-153
K4	BROWNLEE LAND	370-011-00-00-0007-00	X5	JOSEPH M. WHITE & RACHEL E. WHITE	4-CC29-39.18
L4	RONALD BERNARD SENG & JOANNE ALICE SENG	370-011-00-00-0006-00	Y5	JOSEPH M. WHITE & RACHEL E. WHITE	4-CC29-39.19
M4	BELLVIEW CAMP MEETING ASSOC, LINDA HEPBURN	370-007-00-00-0003-00	Z5	THOMAS COLE & VIRGINIA COLE	04-CC24-127
N4	LISA J. JACOBS & TERRY G. JACOBS	370-011-00-00-0009-01	A6	JOHN E. MITCHELL & JOAN R. MITCHELL	04-CC29-39.16
O4	BROWNLEE LAND VENT LP	370-007-00-00-0005-00	B6	ALFRED J. ROCCHIO JR. & SHERRY E. ROCCHIO	04-CC29-39.8
P4	ROBERT G. BRIGGS & NANCY L. BRIGGS	370-007-00-00-0002-00	C6	JEFFERY LUCK & JANE DAUGHERTY-LUCK	04-CC29-39.13
Q4	ALBERT PETRUSH & JAMIE GMITER	370-007-00-00-0002-05	D6	JEFFERY LUCK & JANE DAUGHERTY-LUCK	04-CC29-39.1
R4	JOSEPH D. DEPETRO III	370-007-00-00-0001-00	E6	MITCHELL SPURLOCK & RANA D. MITCHELL	04-CC29-40
			F6	JOHN E. MITCHELL & JOAN R. MITCHELL	04-CC29-39.5
			G6	FREDERICK C. CASALE & SUZANNE CASALE	04-CC29-39.12
			H6	EUGENE MITCHELL JR. & MARGARET MITCHELL - LIFE, JESSE MITCHELL ET AL	04-CC24-131
			I6	EUGENE MITCHELL JR. & MARGARET MITCHELL - LIFE, JESSE MITCHELL ET AL	04-CC24-126
			J6	GEORGE A. BARCHIESI & PAMELA J. BARCHIESI	04-CC24-125
			K6	GEORGE A. BARCHIESI & PAMELA J. BARCHIESI	04-CC24-122
			L6	TODD P. FERGUSON & LISA FERGUSON	04-CC24-99.1
			M6	TODD FERGUSON & LISA FERGUSON	04-CC24-120
			N6	JERRY M. BOOTH & DEBRA D. BOOTH	04-CC24-119
			O6	PAUL J. SICURELIA & LEA M. SICURELIA	04-CC24-118
			P6	DAVID HUNT KINS & PATRICIA ANN KINS	04-CC24-116
			Q6	JEFFREY L. ADAMS & SHELIA D. ADAMS	04-CC24-115
			R6	JEFFREY L. ADAMS & SHELIA D. ADAMS	04-CC24-114
			S6	ARTHUR SCHERICH & LEIGH ANN SCHERICH	04-CC24-113
			T6	TRAVIS SMITH	04-CC24-112
			U6	DEAN SMITH	4-CC24-111
			V6	DEAN SMITH	4-CC24-110
			W6	DEAN SMITH	4-CC24-109
			X6	STEVEN BROWN	4-CC24-99.2
			Y6	RICHARD H. SCOTT & DENA M. SCOTT	4-CC24-104
			Z6	KEVIN L. CRAFT & MARGARET K. CRAFT	4-CC24-103
			A7	SHELLY D. GAUMER	4-CC24-102
			B7	JAY THOMAS GAUMER & SHELLY DAWN GAUMER	4-CC24-99.3
			C7	BRIAN TAYLOR	4-CC24-99.5
			D7	BRIAN TAYLOR	4-CC24-133
			E7	COREY T. CARROLL & KATELYN N. SWAGER	4-CC24-134
			F7	RYAN E. HALL & NICOLE M. STANLEY	4-CC24-137
			G7	JASON MICHAEL KUSIC & ALICIA RENEE KUSIC	4-CC24-136
			H7	JOHN L. DAVIS & F. LYNN DAVIS	4-CC24-145
			I7	JOHN L. DAVIS & F. LYNN DAVIS	4-CC24-144
			J7	LESLIE J. JOHNS & MELISSA J. JOHNS	4-CC24-140
			K7	LESLIE J. JOHNS & MELISSA J. JOHNS	4-CC24-139
			L7	JUSTIN A. GRIFFITH & KERI D. GRIFFITH	4-CC24-148
			M7	GARRETT AUSTIN INGRAM	4-CC24-99.7
			N7	LARRY T. MAIN	4-CC24-99.8
			O7	JASON D. DRUM & AMANDA R. DRUM	4-CC24-146



09/10/2021

REVISIONS:	COMPANY:	 	
	OPERATOR'S STATE OF WV DNR C BRK	API:	DATE: 07-09-2021
	WELL #: 10H	47-009-00309	DRAWN BY: N. MANO
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	SCALE: N/A
		STATE: WV	DRAWING NO:
			WELL LOCATION PLAT 4

JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26302
 304-623-5851

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
P7	WILLIAM L. MONK & TINA M. MONK	4-CC24-99.4
Q7	JOHN R. COOK & BEVERLY A. COOK	4-CC24-97
R7	JOHN R. COOK & BEVERLY A. COOK	4-CC24-147
S7	DEAN SMITH	4-CC24-98
T7	MICHAEL K. MCFADDEN & SHARON MCFADDEN	4-CC24-93
U7	MICHAEL J. CIPRIANI	4-CC24-142
V7	MICHAEL J. CIPRIANI	4-CC24-141
W7	JACK EARNEST & LESLIE M. EARNEST	4-CC24-138
X7	KEVIN M. FARRELL & HEIDI J. FARRELL	4-CC24-92
Y7	KEVIN M. FARRELL & HEIDI J. FARRELL	4-CC24-91
Z7	RALPH A. BRADY & KIM BRADY	4-CC24-90
A8	BRIAN L. FERGUSON & NANCY J. FERGUSON	4-CC24-89
B8	JAMES E. HUFFNER & PATRICIA HUFFNER	4-CC24-88
C8	JAMES E. HUFFNER & PATRICIA HUFFNER	4-CC24-99.6
D8	CHRISTOPHER L. CECCHINI	4-CC24-87
E8	CHRISTOPHER L. CECCHINI & AMY CECCHINI	4-CC24-86
F8	KRISTI MICHELLE BOLEN	4-CC24-85
G8	DREW FERGUSON	4-CC24-84.1
H8	TERRI HEFFNER	4-CC24-84
I8	CHARLES WAYNE MALONEY & NANCY L. MALONEY	4-CC29-17
J8	JOHN STEVENS & LINDA STEVENS	4-CC24-56
K8	GEORGE L. BRADLEY	4-CC24-55
L8	RAYMOND S. CROSS, DENNIS P. CROSS, & KATHRYN R. BUTLER	4-CC24-13
M8	WHEELING ENERGY WORKS, LTD.	4-CC24-08
N8	MARK E. VAUGHN & LISA A. VAUGHN	4-CC24-09
O8	DAVID A. MIHLBAUER & TERI L. MIHLBAUER	4-CC24-10
P8	OTIS T. PETTRY	4-CC24-12
Q8	DON TAYLOR	4-CC24-06
R8	WILLIAM C. BAIRD & CYNTHIA L. BAIRD	4-CC24-05
S8	ALBERT D. JOHNS JR., GARY JOHNS, GREGORY JOHNS & TAMMY MOORE	4-CC23-326
T8	WILLIAM H. THOMPSON & DEBRA THOMPSON	4-CC23-320
U8	SAMUEL HUBBARD	4-CC23-318
V8	BRIAN CORWIN, DAVID HAUGHT JR. & CRYSTAL HOIT	4-CC23-78
W8	SUSAN A. MALSON, CHARLES A. COOK, CATHERINE L. WOLFE, JOHN T. COOK & BONNIE A. MCKEE, TRUSTEES OF THE COOK FAMILY TRUST REVOCABLE TRUST AGREEMENT DATED APRIL 20, 2017	4-CC23-322
X8	BOBBIE JO MENEELY & RANDALL MINICH	4-CC23-324
Y8	MICHAEL W. MOORE	4-CC23-323
Z8	JUDITH ANN MOORE	4-CC19-185
A9	CHARLES D. MOORE & CECELIA FAY MOORE	4-CC19-180
B9	ROSE MARIE EDGELL	4-CC19-176
C9	CONSTANTINE EVANGELINOS & TOULA EVANGELINOS	4-CC19-171
D9	LINDY L. GALIANO	4-CC19-170
E9	PETER D'AGOSTINO	4-CC19-188
F9	DANNY NICKOLES & GRACE NICKOLES (LIFE), GREGORY DANIEL NICKOLES, RANDY LEE NICKOLES & JEFFREY OWN NICKOLES	4-CC19-160
G9	DAVID BAKER	4-CC19-164
H9	DOUGLAS P. EMMERTH & PAMELA L. EMMERTH	4-CC19-165
I9	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC19-168
J9	GRETCHEN MOORE LANGEVIN, TRUSTEE & WESTBANCO BANK INC, TRUSTEE	4-CC20-05
K9	JUDITH ANN BERNARDINI	4-CC20-09
L9	MICHAEL LEE BERNARDINI & JULIE LYNN BERNARDINI	4-CC20-44

09/10/2021

REVISIONS:	COMPANY:	 		
	OPERATOR'S	STATE OF WV DNR C BRK	API:	DATE: 07-09-2021
	WELL #:	10H	47-009-00309	DRAWN BY: N. MANO
	DISTRICT:	CROSS CREEK	COUNTY:	SCALE: N/A
			BROOKE	DRAWING NO:
			STATE:	WELL LOCATION PLAT 5
			WV	