

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

API 47-009-00326 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 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 4,461,420.289 Easting 539,282.374
Landing Point of Curve Northing 4,461,507.173 Easting 539,661.110
Bottom Hole Northing 4,466,257.905 Easting 537,830.279

Elevation (ft) 988.8' 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 1/19/2021 Date drilling commenced 1/25/2021 Date drilling ceased 2/16/2021
Date completion activities began 4/18/2021 Date completion activities ceased 5/16/2021
Verbal plugging (Y/N) N Date permission granted N/A Granted by RECEIVED N/A
Office of Oil and Gas

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug **AUG 04 2021**

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

Reviewed by:
B.S.
8/15/2021

API 47-009 - 00326 Farm name _____ Well number STATE OF WV DNR C BRK 5H

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	471	NEW	J-55/54.50#	178.1	Y, 21 BBLs
Coal	SEE INTERMEDIATE						
Intermediate 1	12.25	9.625	1,390	NEW	J-55/36#		Y, 30 BBLs
Intermediate 2	12.25	9.625					
Intermediate 3							
Production	8.75/8.50	5.5	23,093	NEW	P-110HP/20#		Y, 135 BBLs
Tubing		2.375	6,370	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	5,102	15.60	1.19	6,071.38	SURFACE	24
Tubing							

Drillers TD (ft) 23,093' Loggers TD (ft) 23,093'
 Deepest formation penetrated _____ Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) _____

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 **RECEIVED**
 Office of Oil and Gas

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

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 _____

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	4/18/2021
Job End Date:	5/8/2021
State:	West Virginia
County:	Brooke
API Number:	47-009-00326-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	STATE OF WV DNR C BRK 5
Latitude:	40.30236625
Longitude:	-80.53775742
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5,516
Total Base Water Volume (gal):	27,207,752
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 Office of Oil and Gas AUG 04 2021	Base Fluid	Water	7732-18-5	100.00000	88.56027	Density = 8.345
Ingredients	Listed Above	Listed Above	Water	7732-18-5	85.00000	0.27298	

09/10/2021

			Ammonium Chloride	12125-02-9	2.00000	0.00203	
			Alcohols, C12-1, ethoxylated	68551-12-2	1.50000	0.00152	
			Oleic Acid Diethanolamide	93-83-4	1.50000	0.00152	
			Diethylenetriamine penta	15827-60-8	10.00000	0.00066	
			Acetic Acid	64-19-7	37.50000	0.00046	
			Methanol	67-56-1	80.00000	0.00028	
			Citric Acid	77-92-9	22.50000	0.00028	
			Acrylic acid terpolymer	397256-50-7	1.00000	0.00013	
			Oxyalkylated fatty acid	68951-67-7	9.67400	0.00003	
			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 5H
ATTACHMENT 1
PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	4/12/2021	23,001	22,908	36
2	4/18/2021	22,875	22,697	36
3	4/18/2021	22,663	22,485	36
4	4/19/2021	22,452	22,273	36
5	4/19/2021	22,240	22,062	36
6	4/19/2021	22,028	21,850	36
7	4/21/2021	21,817	21,638	36
8	4/21/2021	21,605	21,427	36
9	4/21/2021	21,393	21,215	36
10	4/21/2021	21,182	21,003	36
11	4/22/2021	20,970	20,792	36
12	4/22/2021	20,758	20,580	36
13	4/22/2021	20,547	20,368	36
14	4/22/2021	20,335	20,157	36
15	4/22/2021	20,123	19,950	36
16	4/23/2021	19,912	19,733	36
17	4/23/2021	19,696	19,522	36
18	4/23/2021	19,488	19,310	36
19	4/23/2021	19,277	19,098	36
20	4/24/2021	19,065	18,887	36
21	4/24/2021	18,853	18,675	36
22	4/24/2021	18,642	18,463	36
23	4/24/2021	18,430	18,252	36
24	4/25/2021	18,219	18,040	36
25	4/25/2021	18,007	17,828	36
26	4/25/2021	17,795	17,614	36
27	4/25/2021	17,584	17,405	36
28	4/25/2021	17,372	17,194	36
29	4/26/2021	17,160	16,982	36
30	4/26/2021	16,949	16,770	36
31	4/26/2021	16,737	16,559	36
32	4/26/2021	16,525	16,347	36
33	4/27/2021	16,314	16,135	36
34	4/27/2021	16,102	15,924	36
35	4/27/2021	15,890	15,715	36
36	4/27/2021	15,679	15,500	36
37	4/27/2021	15,467	15,289	36
38	4/28/2021	15,255	15,077	36
39	4/28/2021	15,044	14,865	36
40	4/28/2021	14,832	14,654	36
41	4/28/2021	14,620	14,442	36
42	4/28/2021	14,409	14,230	36
43	4/29/2021	14,197	14,019	36

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

STATE OF WV DNR C BRK 5H
ATTACHMENT 1
PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
44	4/29/2021	13,985	13,807	36
45	4/29/2021	13,774	13,595	36
46	4/29/2021	13,562	13,384	36
47	4/30/2021	13,350	13,172	36
48	4/30/2021	13,134	12,960	36
49	4/30/2021	12,927	12,749	36
50	4/30/2021	12,715	12,542	36
51	4/30/2021	12,504	12,325	36
52	5/1/2021	12,292	12,114	36
53	5/1/2021	12,080	11,898	36
54	5/1/2021	11,873	11,690	36
55	5/1/2021	11,657	11,479	36
56	5/1/2021	11,445	11,267	36
57	5/1/2021	11,234	11,055	36
58	5/2/2021	11,022	10,844	36
59	5/2/2021	10,810	10,629	36
60	5/2/2021	10,601	10,420	36
61	5/2/2021	10,387	10,209	36
62	5/3/2021	10,176	9,997	36
63	5/3/2021	9,964	9,785	36
64	5/3/2021	9,752	9,569	36
65	5/3/2021	9,541	9,362	36
66	5/3/2021	9,329	9,150	36
67	5/4/2021	9,117	8,939	36
68	5/4/2021	8,906	8,762	30
69	5/4/2021	8,694	8,516	36
70	5/5/2021	8,482	8,304	36
71	5/5/2021	8,271	8,092	36
72	5/5/2021	8,056	7,881	36
73	5/5/2021	7,847	7,669	36
74	5/6/2021	7,636	7,457	36
75	5/6/2021	7,424	7,246	36
76	5/6/2021	7,212	7,034	36
77	5/7/2021	7,001	6,822	36
78	5/7/2021	6,789	6,611	36
79	5/7/2021	6,577	6,399	36
80	5/7/2021	6,366	6,187	36

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

STATE OF WV DNR C 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/other
1	4/18/2021	75	8,473	9,368	3,526	202,940	7,670	0
2	4/18/2021	89.14	8,355	5,244	4,671	360,660	9,876	0
3	4/19/2021	89.5	8,439	6,504	4,815	342,000	9,420	0
4	4/19/2021	95.8	8,163	5,894	4,412	359,980	9,175	0
5	4/19/2021	97.1	8,419	5,522	4,468	363,100	9,087	0
6	4/21/2021	99.6	8,421	4,285	5,003	360,980	9,281	0
7	4/21/2021	96.9	8,254	5,585	4,562	358,440	8,887	0
8	4/21/2021	89.1	8,324	4,965	4,365	352,720	8,532	0
9	4/21/2021	91.4	8,316	5,824	5,522	354,700	8,930	0
10	4/21/2021	97.5	8,373	4,872	4,834	357,740	8,737	0
11	4/22/2021	92.7	8,436	5,824	4,542	360,920	8,831	0
12	4/22/2021	91.8	8,259	5,318	4,546	356,420	8,491	0
13	4/22/2021	96	8,038	5,216	4,483	355,560	10,492	0
14	4/22/2021	91	8,026	6,250	5,610	363,220	8,869	0
15	4/23/2021	92.7	8,108	6,250	4,655	357,660	8,447	0
16	4/23/2021	96.4	8,198	5,369	4,575	360,240	8,411	0
17	4/23/2021	97.2	8,047	5,647	4,818	354,020	8,159	0
18	4/23/2021	91.5	8,159	6,478	4,701	358,460	8,412	0
19	4/24/2021	95.4	8,196	6,250	4,664	358,500	8,280	0
20	4/24/2021	98	8,073	4,821	4,517	356,620	8,321	0
21	4/24/2021	94	7,960	5,632	4,322	357,320	8,237	0
22	4/24/2021	93.6	8,107	6,350	4,658	356,740	8,343	0
23	4/24/2021	94.6	8,096	6,302	4,852	359,240	8,393	0
24	4/25/2021	91.2	8,079	6,086	4,568	356,400	8,228	0
25	4/25/2021	97.44	8,170	8,426	4,591	357,600	8,573	0
26	4/25/2021	95.6	7,950	5,692	4,561	352,680	8,318	0
27	4/25/2021	93.9	8,191	6,071	4,835	356,000	8,152	0
28	4/25/2021	98.7	8,153	6,253	4,957	357,680	8,047	0
29	4/26/2021	96.9	8,213	5,923	4,325	361,040	8,135	0
30	4/26/2021	99.25	8,037	5,526	4,406	355,840	8,448	0
31	4/26/2021	100	7,848	6,106	4,657	355,620	8,392	0
32	4/26/2021	98.6	8,143	5,875	4,576	356,600	8,292	0
33	4/27/2021	99.3	7,813	5,338	4,216	364,320	8,232	0
34	4/27/2021	99.67	7,829	5,423	4,422	357,160	8,351	0
35	4/27/2021	96.1	7,895	5,604	4,368	358,940	8,328	0
36	4/27/2021	98.9	7,935	6,255	4,335	355,360	7,970	0
37	4/27/2021	96.5	8,033	5,909	4,586	359,700	7,864	0
38	4/28/2021	100.4	7,863	5,965	4,410	366,000	7,866	0
39	4/28/2021	95	7,904	5,789	4,155	357,320	7,789	0
40	4/28/2021	93.4	8,087	5,413	4,054	358,380	7,875	0
41	4/28/2021	97.7	8,058	5,519	4,378	354,100	6,995	0
42	4/28/2021	98.73	8,119	5,379	4,735	363,380	8,445	0
43	4/29/2021	99.5	7,796	5,412	4,147	356,520	7,842	0
44	4/29/2021	98	8,065	5,440	4,047	355,280	7,733	0
45	4/29/2021	93.82	7,684	5,218	4,133	353,800	7,983	0
46	4/29/2021	98.9	7,813	5,642	4,389	358,600	6,638	0
47	4/30/2021	99.7	7,754	4,589	4,732	359,980	7,696	0
48	4/30/2021	82.83	7,880	5,587	3,849	360,260	9,905	0
49	4/30/2021	96.4	7,964	5,114	4,371	355,280	7,694	0
50	4/30/2021	99.8	7,564	4,589	4,379	361,800	7,716	0
51	4/30/2021	100	7,435	5,429	4,723	358,420	7,670	0
52	5/1/2021	100	7,701	5,499	3,940	359,880	7,601	0
53	5/1/2021	98.5	7,883	5,604	4,045	356,020	7,649	0

RECEIVED
Office of Oil and Gas
AUG 14 2021
WV Department of Environmental Protection

09/10/2021

STATE OF WV DNR C 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
54	5/1/2021	99.2	7,960	5,614	4,158	349,700	7,558	0
55	5/1/2021	100	7,650	5,263	4,566	357,400	7,681	0
56	5/1/2021	100	7,422	5,351	4,403	361,840	7,454	0
57	5/2/2021	100	7,573	4,318	4,205	358,800	7,656	0
58	5/2/2021	100	7,271	5,705	4,219	360,360	7,643	0
59	5/2/2021	99.6	7,498	5,490	4,139	352,660	7,542	0
60	5/2/2021	100	7,487	5,725	4,090	351,460	7,784	0
61	5/3/2021	100	7,335	5,381	4,332	353,440	7,501	0
62	5/3/2021	100	7,570	4,129	3,918	356,020	7,542	0
63	5/3/2021	99.7	7,496	5,594	4,220	352,280	7,901	0
64	5/3/2021	99.7	7,699	5,620	4,178	353,620	7,862	0
65	5/3/2021	99.8	7,977	5,881	4,396	354,480	7,342	0
66	5/4/2021	100	7,281	5,413	4,380	359,820	7,537	0
67	5/4/2021	100	7,297	4,850	4,245	350,060	7,863	0
68	5/4/2021	100	7,140	5,318	4,713	359,200	7,584	0
69	5/5/2021	100	7,286	5,318	4,471	360,060	7,631	0
70	5/5/2021	100	7,322	5,515	4,212	360,020	7,896	0
71	5/5/2021	100	7,385	4,865	4,617	355,000	7,780	0
72	5/5/2021	97.6	6,815	3,901	4,351	359,900	7,504	0
73	5/6/2021	98.5	6,793	5,486	4,450	358,640	7,723	0
74	5/6/2021	98.33	7,306	5,203	4,171	353,880	7,968	0
75	5/6/2021	97.5	6,753	4,968	4,215	359,220	7,520	0
76	5/6/2021	85.5	6,684	3,928	4,338	355,720	7,533	0
77	5/7/2021	97	7,005	4,833	4,289	359,900	7,694	0
78	5/7/2021	100	6,773	4,998	4,245	354,700	7,823	0
79	5/7/2021	98.7	6,734	4,952	4,226	357,120	7,755	0
80	5/7/2021	96.5	6,716	4,807	4,309	360,680	7,371	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 5H 47009003260000

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	5345.00	5049.00	
Rhinstreet (shale)	5345.00	5049.00	5624.00	5295.00	
Cashaqua (shale)	5624.00	5295.00	5691.00	5349.00	
Middlesex (shale)	5691.00	5349.00	5764.00	5404.00	
Burket (shale)	5764.00	5404.00	5786.00	5420.00	
Tully (ls)	5786.00	5420.00	5888.00	5482.00	
Mahantango (shale)	5888.00	5482.00	6094.00	5567.00	
Marcellus (shale)	6094.00	5567.00	NA	NA	GAS

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

09/10/2021

JACKSON SURVEYING

INC.



2413 EAST PIKE ST. # 112

Clarksburg, WV 26302

304-623-5851



09/10/2021



REVISIONS:	COMPANY:		 	
	OPERATOR'S STATE OF WV DNR C BRK		API #:	DATE: 07-09-2021
	WELL #: 5H		047-009-00326	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	CROSS CREEK	BROOKE	WV	DRAWING NO:
				WELL LOCATION PLAT 2

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

WELL BORE TRACTS

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
SURFACE OWNER (S)		
2	EDWARD L. CARTER & DEBORAH C. CARTER (S)	4-CC20-18
3	EDWARD L. CARTER & DEBORAH C. CARTER (S)	4-CC20-17
4	ERIC T. GALIANO (S)	4-CC20-16
5	ERIC T. GALIANO (S)	4-CC20-14
6	ERIC T. GALIANO (S)	4-CC20-15
7	LINDY L. GALIANO & SANTY GALIANO (S)	4-CC20-19.1
8	WILLIAM MORGAN ROUSE & DORIS J. ROUSE (S)	4-CC20-20
9	COLLIER'S SPORTSMAN CLUB (S)	4-CC20-21
10	SUSAN D. BREEN & DENNIS M. BREEN (S)	4-CC20-22
11	SUSAN D. BREEN & DENNIS BREEN (S)	4-CC20-23.1
12	SUSAN BREEN & KELLY HANNAOUI, TRUSTEES OF THE WILLIAM C. SAUNDERS 2019 IRREVOCABLE TRUST DATED NOVEMBER 21, 2019 (S)	4-CC20-23
13	COLLIER'S SPORTSMAN CLUB (S)	4-CC20-24
14	STACI BREEN & PATRICIA BREEN (S)	4-CC20-03
15	SUSAN BREEN & KELLY HANNAOUI, TRUSTEES OF THE WILLIAM C. SAUNDERS 2019 IRREVOCABLE TRUST DATED NOVEMBER 21, 2019 (S)	4-CC20-02
16	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION (S)	4-CC16-06
17	PETER D. BLASKOVICH & RUTH M. BLASKOVICH (S)	4-CC15-71
18	LENORA J. RINEHART (S)	4-CC15-74
19	RONALD A. REED (S)	4-CC15-68.3
20	LARRY E. REED (S)	4-CC15-68.1
21	ROSE VAN HEMERT (S)	4-C15H-12
22	GORDON KIGER (S)	4-C15H-13
23	FRANK PAESANO & CYNTHIA PASEANO (S)	4-C15H-14
24	MIKE E. BAILEY & MARY E. BLAKE (S)	4-C15H-15
25	DALE W. GAYNOR JR. (S)	4-C15H-16
26	VAL JEAN DELONG, TRUSTEE OF THE DELONG FAMILY KEYSTONE TRUST DATED DECEMBER 30, 2016 (S)	4-C15D-40
27	WILLIAM C. BLACK (S)	4-C15D-39
28	GLENN THOMPSON (S)	4-C15D-36
29	BURL DELEF WARRICK & JAMES KENNETH WARRICK (S)	4-C15D-35
30	JOSHUA A. ROBERTS (S)	4-C15D-34
31	DESIRRAE W. WELLS, ET AL (LE-LAURA RIGGS) (S)	4-C15D-04
32	DESIRRAE W. WELLS, ET AL (LE-HOBERT & LAURA RIGGS) (S)	4-C15D-06
33	MADLINE C. BROZSTEK (S)	4-C15D-07
34	MADLINE C. BROZSTEK (S)	4-C15D-8.1
35	CLIFFORD MILLER (S)	4-C15D-08
36	CLIFFORD LEE MILLER (S)	4-C15D-10
37	TROY A. LUCAS (S)	4-C11S-23
38	RAMON L. BOWEN, TRUSTEE OF THE RAMON L. BOWEN IRREVOCABLE TRUST DATED FEBRUARY 3, 2020 (S)	4-CC11-91
39	RAMON L. BOWEN & YVONNE BOWEN (S)	4-CC11-90
40	RAMON L. BOWEN & YVONNE BOWEN (S)	4-CC11-89
41	RAMON L. BOWEN & YVONNE BOWEN (S)	4-CC11-88

09/10/2021

REVISIONS:	COMPANY:	 	
	OPERATOR'S	API #:	DATE: 07-09-2021
	STATE OF WV DNR C BRK	047-009-00326	DRAWN BY: N. MANO
	WELL #:	5H	SCALE: N/A
	DISTRICT:	COUNTY:	DRAWING NO:
	CROSS CREEK	BROOKE	WV
			WELL LOCATION PLAT 3



JACKSON SURVEYING
INC.

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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNERS	TAX PARCEL
A	JOHN ERNEST MILLER & JESSE ANDREW MILLER	4-CC20-04
B	GRETCHEN MOORE LANGEVIN, TRUSTEE & WESTBANCO BANK, INC.	4-CC20-05
C	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC19-168
D	JASON P. NUZUM	4-CC19-113
E	JASON P. NUZUM	4-CC15-70
F	GARY LEE LOAR & SANDRA L. LOAR	4-CC15-52
G	RUTH M. BLASKOVICH	4-CC15-69
H	PETER D. BLAKOVICH & HELEN S. BLASKOVICH	4-CC15-72
I	RYAN POWELL, & KELLY POWELL	4-CC15-73
J	FRANK REED LARKEY	4-CC15-68.2
K	LARRY REED	4-CC15-67
L	LARRY REED	4-C15H-09
M	BETTY S. LANCASTER & LINDA K. LANCASTER	4-C15H-11
N	LARRY E. REED	4-C15H-20
O	CHARLIE I. DULANEY & ANGELA J. DULANEY	4-C15H-08
P	CHARLIE I. DULANEY & ANGELA J. DULANEY	4-C15H-07
Q	REVA AMANDA ALLMAN YOST	4-C15H-06
R	LARRY ALLEN HOOD	4-C15H-03
S	JOHN MESTER	4-C15H-02
T	LARRY D. PRATT & JOYCE E. PRATT	4-C15H-01
U	ROBERT L. DODSON III	4-C15H-17
V	HAROLD WAYNE BEATTY JR. & NATALIE ROSE BEATTY	4-C15D-49
W	GERALD L. ARACICH	4-C15D-43
X	JAMES A. RAHR & GERALDINE A. RAHR	4-C15D-41
Y	DONNA DELONG	4-C15D-01
Z	DONNA DELONG	4-C15D-02
A2	JIM HEIDENREICH	4-C15D-03
B2	THOMAS G. MOORE & KATHY J MOORE	4-C15C-04
C2	GARY A. DENNIS & LORI ANN DENNIS	4-C15C-05
D2	GARY E. DENNIS & LORI ANN DENNIS	4-C15C-06
E2	TYRA CLARK	4-C15D-05

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNERS	TAX PARCEL
F2	MICHAEL J. CLARK SR. & TYRA S. CLARK	4-C15D-09
G2	MICHAEL J. CLARK SR. & TYRA S. CLARK	4-C15D-50
H2	JAMES E. HEIDENREICH & DEBRA R. ARTHUR	4-C15C-03
I2	RAMON MARSHALL BOWEN	4-C15C-02
J2	CHARLES DAVID JOHNSON & SANDRA K. JOHNSON	4-C15C-22
K2	CHAD A. RICCELLI	4-C15C-22.1
L2	RAYMOND MARSHALL BOWEN	4-C15C-01
M2	FRED WELSHANS JR. & CHRIS E. WELSHANS	4-CC11-95
N2	DONALD E. SIPPEL & DOREEN E. SIPPEL	4-CC11-94
O2	JACK KAROL BOWEN	4-CC11-97
P2	DONALD E. SIPPEL & DOREEN E. SIPPEL	4-CC11-93
Q2	DONALD G. CONAWAY	4-CC11-92
R2	DWIGHT & MARY DICKEY	4-C11L-14
S2	ST. JOHN'S CEMETERY CO.	4-C11S-01
T2	WILLIAM A. HERCULES & VICKY L. HERCULES	4-C11S-9.1
U2	WVMP LLC	4-C11S-10
V2	ROGER BENNETT & LAURA BENNETT	4-C11S-12
W2	ANDREA N. DOMICK	4-C11S-13
X2	GERALD GOURLEY (L/E: GLORIA F KIGER)	4-C11S-14
Y2	TRAVIS CORBIN	4-C11S-15
Z2	STEVEN D. MORAN & BETHANY A. MORAN	4-C11S-20
A3	WILLIAM H. MORAN JR. & JOSIE L. MORAN	4-C11S-20.1
B3	KODY GREEN	4-C11S-21
C3	VALERIE A. WELLS, ET AL (LE- LAURA RIGGS)	4-C11S-22
D3	CHRISTOPHER E. SMITH	4-C15D-20
E3	EMURI HOME AND GARDEN, LLC. (L/C: SHERRY TACKETT)	4-C15D-21
F3	TROY A. LUCAS	4-C15D-23
G3	CHARLES D. BEATTY JR.	4-C15D-26
H3	SHAFFER FAMILY IRREVOCABLE INCOME ONLY TRUST	4-C15D-27
I3	KEITH R. SHAFFER	p/o 4-C15D-27
J3	KEITH RICHARD SHAFFER & MARY JO SHAFFER	4-C15D-29
K3	DOUGLAS SWAIN	4-C15D-30.3
L3	WILLIAM THOMAS LAW & JANE LAW	4-C15D-33

09/10/2021



REVISIONS:	COMPANY:	 		
	OPERATOR'S	STATE OF WV DNR C BRK	API #:	DATE: 07-09-2021
	WELL #:	5H	047-009-00326	DRAWN BY: N. MANO
	DISTRICT:	CROSS CREEK	COUNTY:	SCALE: N/A
			STATE:	DRAWING NO:
			WV	WELL LOCATION PLAT 4

JACKSON SURVEYING
INC.

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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNERS	TAX PARCEL
M3	VAUGHN R. DAVIS & MARY L. DAVIS	4-C15D-32
N3	GLENN THOMPSON	4-C15D-37
O3	LAURA J. STEUDEBAKER & STUART STEUDEBAKER	4-C15D-30
P3	REED-GEHLING FAMILY TRUST DATED 10/17/08	4-CC16-32
Q3	THE DENNIS PALFALVY III IRREVOCABLE TRUST	4-CC16-5
R3	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC16-8.1
S3	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC16-7.1
T3	DAVID C. DAMI	4-CC20-1.1
U3	DAVID C. DAMI	4-CC20-2.1
V3	FREDA M. DUNN - (LIFE) SAUNDRA L. DUNN & ROBERT W. DUNN	4-CC20-01
W3	COLLIERS SPORTSMAN CLUB	4-CC20-45
X3	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC20-25.1
Y3	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC20-25
Z3	DEBORAH K. SLIDAY	4-CC20-32
A4	NICKOLES 3, LLC.	4-CC20-33
B4	ROBERT CLINE & DELORIS CLINE	4-CC20-34
C4	WILLIAM MARINO & MILDRED T. MARINO	4-CC20-35
D4	MILDRED T. MARINO & WILLIAM MARINO	4-CC20-36
E4	WAYNE L. HENDERSON & BETHANY A. HENDERSON	4-CC20-37
F4	SANTY GALIANO & LINDY GALIANO	4-CC20-38
G4	ERIC T. GALIANO	4-CC20-13
H4	BARBARA A. SMITH	4-CC20-12
I4	ERIC T. GALIANO	4-CC20-19
J4	KEVIN MCCONNELL	4-CC20-11
K4	BARBARA J. MCCONNELL	4-CC20-10
L4	SUSAN K. PRONCHIK	4-CC20-08
M4	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC19-169
N4	STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION	4-CC19-168
O4	LINDY L. BLACK	4-CC20-07

09/10/2021

REVISIONS:	COMPANY:		 	
	OPERATOR'S STATE OF WV DNR C BRK		API #:	DATE: 07-09-2021
	WELL #: 5H		047-009-00326	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	CROSS CREEK	BROOKE	WV	DRAWING NO: WELL LOCATION PLAT 5