

FEB 18 2025

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

API 47 - 009 - 00342 County Brook District Cross Creek
Quad _____ Pad Name State of WV DNR C BRK Pad Field/Pool Name Panhandle Field - Wet
Farm name State of WV DNR C BRK Well Number 406H
Operator (as registered with the OOG) SWN Production Company LLC
Address PO Box 12359 City Spring State TX Zip 77391

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,461,406.567 Easting 539,287.224
Landing Point of Curve Northing 4,461,139.955 Easting 538,719.478
Bottom Hole Northing 4,454,054.868 Easting 541,418.859

Elevation (ft) 989 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 2024-5-13 Date drilling commenced 2024-07-09 Date drilling ceased 2024-07-23
Date completion activities began 2024-10-10 Date completion activities ceased 2024-12-24
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 574 Void(s) encountered (Y/N) depths N
Coal depth(s) ft 569 Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

Shirley Courser
07/25/2025
16/25/2025

API 47- 009 - 00342 Farm name State of WV DNR C BRK Well number 406H

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	20.000	20.000	136		J-55/94.00		Y
Surface	17.500	13.375	437		J-55/54.50		Y
Coal							
Intermediate 1	12.250	9.625	1995		J-55/36.00		Y
Intermediate 2							
Intermediate 3							
Production	8.500	5.500	31310		P-110/20.00		Y
Tubing							
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	449	15.6	1.19	65	Surface	8
Coal							
Intermediate 1	Class A	814	15.6	1.18	122	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class A	6528	14.5	1.26	1310	Surface	24
Tubing							

Drillers TD (ft) 31311 Loggers TD (ft) 31311
Deepest formation penetrated Marcellus Plug back to (ft) 31328
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 _____

SURFACE: CENTRALIZERS - EVERY THIRD JOINT OF CASING

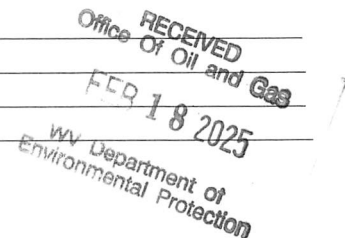
INTERMEDIATE: CENTRALIZERS - EVERY THIRD JOINT OF CASING

PRODUCTION: 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 _____



07/25/2025

API 47- 009 - 00342

Farm name State of WV DNR C BRK

Well number 406H

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

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STATE OF WV DNR C 406H

ATTACHMENT 2

STIM REPORT

WV Department of
Environmental Protection

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	10/10/2024	73.2	9,078	7,230	4,258	199,040	8,057	0
2	10/10/2024	52.6	6,540	6,109	3,712	368,610	20,452	0
3	10/12/2024	79	9,393	6,464	4,860	353,370	10,145	0
4	10/12/2024	40.5	5,201	6,455	3,000	352,440	18,694	0
5	10/13/2024	75.2	9,400	6,706	4,551	348,600	10,135	0
6	10/14/2024	81.4	9,667	6,799	4,465	350,730	10,559	0
7	10/14/2024	73.2	9,052	6,499	4,414	352,660	10,572	0
8	10/15/2024	75.8	9,359	6,427	4,986	341,186	10,018	0
9	10/15/2024	82	9,612	6,685	4,569	348,560	9,634	0
10	10/15/2024	72.8	9,314	6,745	4,212	356,680	9,864	0
11	10/16/2024	79	9,728	6,435	4,535	354,970	8,713	0
12	10/16/2024	85.7	9,503	6,466	4,511	351,780	8,723	0
13	10/17/2024	87	9,448	6,758	4,388	355,250	8,619	0
14	10/17/2024	85.7	9,661	6,682	4,898	355,660	9,641	0
15	10/17/2024	84.1	9,350	6,500	4,587	351,000	9,373	0
16	10/18/2024	80.5	9,399	5,690	4,510	355,100	8,801	0
17	10/18/2024	83.4	9,487	6,601	4,722	354,520	8,407	0
18	10/19/2024	81.5	9,196	6,543	4,711	352,630	8,484	0
19	10/19/2024	86.3	9,578	6,291	4,897	353,820	8,395	0
20	10/19/2024	82.9	9,393	6,341	4,577	375,240	8,466	0
21	10/20/2024	83.2	9,468	6,200	4,500	375,790	8,325	0
22	10/20/2024	86.4	9,432	6,373	4,731	372,900	8,343	0
23	10/20/2024	84.2	9,327	6,271	4,477	381,400	8,525	0
24	10/21/2024	80.7	8,938	6,179	4,414	377,000	8,543	0
25	10/21/2024	92.8	9,756	6,130	5,200	383,020	8,576	0
26	10/21/2024	83.8	9,093	5,828	4,412	380,940	8,464	0
27	10/22/2024	78.5	8,633	5,881	4,465	375,020	8,572	0
28	10/22/2024	88.7	9,610	6,226	5,000	382,040	8,713	0
29	10/22/2024	86.8	9,478	6,104	4,477	374,440	8,311	0
30	10/23/2024	86.2	9,365	6,272	4,658	378,540	8,344	0
31	10/23/2024	89	9,153	6,400	5,621	373,620	8,410	0
32	10/23/2024	71.7	7,524	6,555	4,612	381,580	9,477	0
33	10/24/2024	77.6	8,190	6,404	5,029	379,380	8,199	0
34	10/24/2024	86.5	9,490	6,311	4,968	374,780	8,273	0
35	10/25/2024	90.1	9,365	6,356	4,351	375,880	8,337	0
36	10/25/2024	89.1	9,458	6,115	5,156	379,200	8,515	0
37	10/26/2024	90.3	9,259	6,281	4,425	381,380	8,468	0
38	10/26/2024	88.4	9,272	6,147	4,987	383,460	8,470	0
39	10/26/2024	94.6	9,156	6,322	4,465	380,440	8,494	0
40	10/27/2024	81.2	8,123	6,214	4,335	375,060	8,209	0
41	10/27/2024	90.7	9,523	6,152	5,152	378,160	8,107	0
42	10/27/2024	90.4	8,949	6,121	4,369	381,390	8,142	0
43	10/28/2024	82.9	8,386	6,101	4,589	377,440	7,906	0
44	10/28/2024	86.4	9,431	6,826	4,952	380,010	7,940	0
45	10/28/2024	96.5	9,391	6,389	4,512	381,960	8,157	0
46	10/29/2024	86.7	8,956	6,426	4,769	375,560	8,132	0
47	10/29/2024	94.8	9,474	6,162	4,915	382,490	8,183	0
48	10/29/2024	98.1	9,344	6,188	4,469	376,110	8,092	0
49	10/30/2024	97.7	9,084	6,088	4,935	382,400	8,140	0
50	10/30/2024	88.1	9,001	6,046	4,925	370,670	7,908	0
51	10/30/2024	97.9	9,270	5,897	4,512	372,960	8,033	0
52	10/31/2024	98.4	8,652	5,921	4,357	379,680	8,188	0
53	10/31/2024	93.3	9,448	6,157	4,897	373,450	8,046	0

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ATTACHMENT 2

STIM REPORT

STAGE NUM	Stim Date	Ave Pump Rate (BPM)	Ave Treatment	Max Breakdown	ISIP (PSI)	WV Department of Environmental Protection Amount of Proppant (lbs)	Amount of water bbls	Amount of nitrogen/othe
54	10/31/2024	94.1	9,292	6,242	4,515	358,320	7,848	0
55	10/31/2024	97.9	9,198	6,091	4,468	355,740	7,758	0
56	11/1/2024	86	8,181	6,015	4,936	352,940	7,593	0
57	11/1/2024	96.1	9,099	6,040	5,181	372,380	8,159	0
58	11/1/2024	93.9	8,767	5,902	4,621	376,720	7,827	0
59	11/2/2024	81.9	7,463	5,320	4,625	377,490	7,983	0
60	11/2/2024	96.3	9,352	4,813	5,224	373,760	8,083	0
61	11/2/2024	96.1	8,777	5,901	4,512	377,500	7,982	0
62	11/3/2024	95.9	8,614	5,758	4,591	376,890	7,981	0
63	11/3/2024	81	7,684	5,755	5,141	375,820	7,822	0
64	11/3/2024	96.2	8,729	5,848	4,638	379,550	7,598	0
65	11/4/2024	96	8,780	5,775	4,722	375,830	7,938	0
66	11/4/2024	96	8,808	5,822	5,112	376,270	7,894	0
67	11/4/2024	96	8,700	6,013	4,711	378,380	7,957	0
68	11/5/2024	89	7,756	6,036	4,548	375,270	7,849	0
69	11/5/2024	96.2	8,725	5,911	5,092	380,840	8,494	0
70	11/5/2024	81.8	7,229	5,718	4,695	369,840	8,117	0
71	11/6/2024	88.2	7,699	5,943	4,622	375,670	8,543	0
72	11/6/2024	94.6	8,256	6,166	4,630	372,760	8,348	0
73	11/6/2024	94.6	8,264	5,794	4,789	374,020	8,386	0
74	11/7/2024	94.6	7,918	5,874	4,358	377,890	8,445	0
75	11/7/2024	86.3	7,392	5,401	4,755	351,720	8,659	0
76	11/7/2024	99.2	7,976	5,625	5,330	355,440	8,362	0
77	11/7/2024	96.3	7,644	4,595	4,469	352,100	8,002	0
78	11/8/2024	90.8	7,608	5,439	4,355	356,640	7,952	0
79	11/8/2024	94.1	8,308	5,675	4,463	350,180	7,896	0
80	11/8/2024	98.7	8,183	5,860	5,210	348,110	7,814	0
81	11/9/2024	93.5	7,690	5,556	4,021	354,880	7,974	0
82	11/9/2024	94.2	8,032	5,511	4,492	348,740	7,736	0
83	11/9/2024	93.4	7,431	5,351	4,322	352,330	7,840	0
84	11/10/2024	95.8	8,120	5,170	4,598	352,460	7,835	0
85	11/10/2024	86.7	7,301	3,675	5,341	373,020	7,912	0
86	11/10/2024	93.5	7,692	5,776	7,479	371,210	7,433	0
87	11/11/2024	95.5	7,790	6,004	3,800	372,290	7,774	0
88	11/11/2024	89.1	7,287	5,250	4,325	347,060	8,744	0
89	11/11/2024	94.8	7,451	5,903	4,710	348,590	7,896	0
90	11/11/2024	97.6	7,641	5,345	4,465	350,630	7,773	0
91	11/12/2024	96.7	7,636	5,542	4,291	349,060	7,773	0
92	11/12/2024	81.8	6,290	5,514	4,353	352,000	9,080	0
93	11/12/2024	95.8	7,517	5,609	4,661	350,630	7,526	0
94	11/13/2024	95	6,989	4,480	4,652	351,190	7,521	0
95	11/13/2024	96.7	7,381	5,511	4,700	349,220	7,582	0
96	11/13/2024	96.3	7,373	5,334	4,539	351,530	7,483	0
97	11/14/2024	95.5	7,075	5,168	4,898	348,250	7,578	0
98	11/14/2024	76.8	5,890	5,072	4,325	350,600	8,292	0
99	11/14/2024	96.9	6,948	5,212	4,438	366,810	7,849	0
100	11/14/2024	97.5	6,928	5,111	4,478	368,170	7,091	0
101	11/14/2024	95.8	7,036	4,022	4,525	367,050	7,621	0
102	11/15/2024	91.4	6,639	5,199	4,598	362,480	7,689	0
103	11/15/2024	90.9	6,646	4,997	4,651	367,130	7,739	0
104	11/15/2024	97.3	6,980	5,213	4,502	375,040	8,052	0
105	11/15/2024	96.2	6,771	5,012	4,498	374,060	8,026	0
106	11/15/2024	97	6,871	5,063	4,479	372,020	7,743	0

STATE OF WV DNR C 406H

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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
107	11/16/2024	98.1	6,835	5,192	4,581	369,320	7,674	0
108	11/16/2024	97.6	6,894	5,220	4,110	369,800	7,709	0
109	11/16/2024	90.3	6,691	5,334	4,213	371,180	8,215	0
110	11/16/2024	98.1	6,635	5,537	4,382	375,220	7,667	0
111	11/17/2024	95.9	6,465	4,071	4,495	361,200	8,038	0
112	11/17/2024	91.9	6,439	4,810	4,621	348,420	7,537	0
113	11/17/2024	92.1	6,171	4,551	4,252	352,450	7,388	0
114	11/17/2024	95.9	6,187	4,895	4,325	374,220	8,058	0
115	11/17/2024	97	6,249	5,002	4,358	374,840	7,793	0
116	11/18/2024	96.9	6,316	5,143	4,457	371,710	7,570	0
117	11/18/2024	90.2	5,990	4,784	4,416	369,600	7,461	0
118	11/18/2024	92.9	6,044	4,939	4,215	376,040	7,452	0
119	11/18/2024	97.3	6,228	4,824	4,598	371,760	8,251	0

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ATTACHMENT 1

PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
1	10/2/2024	31,218	31,125	36
2	10/10/2024	31,091	30,914	36
3	10/12/2024	30,880	30,703	36
4	10/12/2024	30,670	30,492	36
5	10/13/2024	30,459	30,282	36
6	10/14/2024	30,249	30,071	36
7	10/14/2024	30,038	29,861	36
8	10/14/2024	29,828	29,650	36
9	10/15/2024	29,617	29,440	36
10	10/15/2024	29,407	29,229	36
11	10/16/2024	29,196	29,019	36
12	10/16/2024	28,986	28,808	36
13	10/16/2024	28,775	28,598	36
14	10/17/2024	28,565	28,387	36
15	10/17/2024	28,354	28,177	36
16	10/17/2024	28,144	27,966	36
17	10/18/2024	27,933	27,756	36
18	10/18/2024	27,722	27,545	36
19	10/19/2024	27,512	27,334	36
20	10/19/2024	27,301	27,124	36
21	10/19/2024	27,091	26,913	36
22	10/20/2024	26,880	26,703	36
23	10/20/2024	26,670	26,492	36
24	10/20/2024	26,459	26,282	36
25	10/21/2024	26,249	26,071	36
26	10/21/2024	26,038	25,861	36
27	10/21/2024	25,828	25,650	36
28	10/22/2024	25,617	25,440	36
29	10/22/2024	25,407	25,229	36
30	10/22/2024	25,196	25,019	36
31	10/23/2024	24,986	24,808	36
32	10/23/2024	24,775	24,598	36
33	10/24/2024	24,564	24,387	36
34	10/24/2024	24,354	24,176	36
35	10/24/2024	24,143	23,966	36
36	10/25/2024	23,933	23,755	36
37	10/25/2024	23,722	23,545	36
38	10/26/2024	23,512	23,334	36
39	10/26/2024	23,301	23,124	36
40	10/26/2024	23,091	22,913	36
41	10/27/2024	22,880	22,703	36
42	10/27/2024	22,670	22,492	36
43	10/27/2024	22,459	22,282	36

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ATTACHMENT 1

PERF REPORT

WV Department of
Environmental Protection

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
44	10/28/2024	22,249	22,071	36
45	10/28/2024	22,038	21,861	36
46	10/29/2024	21,828	21,650	36
47	10/29/2024	21,617	21,440	36
48	10/29/2024	21,406	21,229	36
49	10/29/2024	21,196	21,018	36
50	10/30/2024	20,985	20,808	36
51	10/30/2024	20,775	20,597	36
52	10/30/2024	20,564	20,387	36
53	10/31/2024	20,354	20,176	36
54	10/31/2024	20,143	19,966	36
55	10/31/2024	19,933	19,755	36
56	11/1/2024	19,722	19,545	36
57	11/1/2024	19,512	19,334	36
58	11/1/2024	19,301	19,124	36
59	11/1/2024	19,091	18,913	36
60	11/2/2024	18,880	18,703	36
61	11/2/2024	18,670	18,492	36
62	11/2/2024	18,459	18,282	36
63	11/3/2024	18,248	18,071	36
64	11/3/2024	18,038	17,860	36
65	11/3/2024	17,827	17,650	36
66	11/4/2024	17,617	17,439	36
67	11/4/2024	17,406	17,229	36
68	11/4/2024	17,196	17,018	36
69	11/5/2024	16,985	16,808	36
70	11/5/2024	16,775	16,597	36
71	11/6/2024	16,564	16,387	36
72	11/6/2024	16,354	16,176	36
73	11/6/2024	16,143	15,966	36
74	11/6/2024	15,933	15,755	36
75	11/7/2024	15,722	15,545	36
76	11/7/2024	15,511	15,334	36
77	11/7/2024	15,301	15,124	36
78	11/8/2024	15,090	14,913	36
79	11/8/2024	14,880	14,702	36
80	11/8/2024	14,669	14,492	36
81	11/8/2024	14,459	14,281	36
82	11/9/2024	14,248	14,071	36
83	11/9/2024	14,038	13,860	36
84	11/9/2024	13,827	13,650	36
85	11/10/2024	13,617	13,439	36
86	11/10/2024	13,406	13,229	36

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Office Of Oil and Gas

FEB 18 2025

WV Department of
Environmental Protection

STATE OF WV DNR C 406H

ATTACHMENT 1

PERF REPORT

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
87	11/10/2024	13,196	13,018	36
88	11/11/2024	12,985	12,808	36
89	11/11/2024	12,775	12,597	36
90	11/11/2024	12,564	12,387	36
91	11/12/2024	12,353	12,176	36
92	11/12/2024	12,143	11,966	36
93	11/12/2024	11,932	11,755	36
94	11/12/2024	11,722	11,544	36
95	11/13/2024	11,511	11,334	36
96	11/13/2024	11,301	11,123	36
97	11/14/2024	11,090	10,913	36
98	11/14/2024	10,880	10,702	36
99	11/14/2024	10,669	10,492	36
100	11/14/2024	10,459	10,281	36
101	11/14/2024	10,248	10,071	36
102	11/15/2024	10,038	9,860	36
103	11/15/2024	9,827	9,650	36
104	11/15/2024	9,617	9,439	36
105	11/15/2024	9,406	9,229	36
106	11/15/2024	9,195	9,018	36
107	11/16/2024	8,985	8,807	36
108	11/16/2024	8,774	8,597	36
109	11/16/2024	8,564	8,386	36
110	11/16/2024	8,353	8,176	36
111	11/17/2024	8,143	7,965	36
112	11/17/2024	7,932	7,755	36
113	11/17/2024	7,722	7,544	36
114	11/17/2024	7,511	7,334	36
115	11/17/2024	7,301	7,123	36
116	11/18/2024	7,090	6,913	36
117	11/18/2024	6,880	6,702	36
118	11/18/2024	6,669	6,492	36
119	11/18/2024	6,459	6,281	36

API 47- 009 - 00342 Farm name State of WV DNR C BRK Well number 406H

PRODUCING FORMATION(S)

DEPTHS

Marcellus 5565 TVD 6198 MD

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WV Department of
Environmental Protection

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ☐ Open Flow OIL TEST ☐ Flow ☐ Pump

SHUT-IN PRESSURE Surface 1,322 psi Bottom Hole 3,817 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 16,182 mcfpd Oil 1,654 bpd NGL bpd Water 1,600 bpd GAS MEASURED BY ☐ Estimated ☒ Orifice ☐ Pilot

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

Please insert additional pages as applicable.

Drilling Contractor SWN Drilling Company

Address PO Box 12395 City Spring State TX Zip 77391-2359

Logging Company Baker Hughes

Address 9110 Grogans Mill Road City The Woodlands State TX Zip 77380

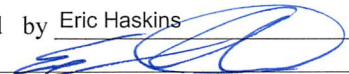
Cementing Company Schlumberger

Address 110 Schlumberger Drive City Sugar Land State TX Zip 77478

Stimulating Company SWN Drilling Company

Address PO Box 12395 City Spring State TX Zip 77391

Please insert additional pages as applicable.

Completed by Eric Haskins Telephone 570 290-8837
Signature  Title Regulatory Manager Date 2/11/2025

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

07/25/2025

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/10/2024
Job End Date:	11/18/2024
State:	West Virginia
County:	Brooke
API Number:	47-009-00342-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	STATE OF WV DNR C BRK 406H
Latitude:	40.302242
Longitude:	-80.5377
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	5929.41666666667
Total Base Water Volume (gal)*:	41961828
Total Base Non Water Volume:	164017.9



Water Source	Percent
Surface Water, < 1000TDS	85.49%
Produced Water	14.51%

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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
Base Water	Operator	Base Fluid					
CX 810	SWN Well Services	Friction Reducer					
FERRIPLEX 80	SWN Well Services	Iron Control Agent					
FSTI-CI-02	SWN Well Services	Corrosion Inhibitor					
Hydrochloric Acid	SWN Well Services	Solvent					
PLEXAID 655NM	SWN Well Services	Scale Inhibitor					
PLEXSLICK 930	SWN Well Services	Friction Reducer					

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Sand	SWN Well Services	Proppant		RECEIVED Office Of Oil and Gas FEB 18 2025			
TOLCIDE 4FRAC	SWN Well Services	Biocide		WV Department of Environmental Protection			
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	88.82497	
			Crystalline Silica, Quartz	14808-60-7	100.00000	11.00159	
			HYDROCHLORIC ACID	7647-01-0	37.00000	0.10071	
			Copolymer of 2-propenamide	Proprietary	60.00000	0.03186	
			Isoalkanes	64742-47-8	30.00000	0.02194	
			Phosphonium, tetrakis(hydroxymethyl)-, sulfate (2:1)	55566-30-8	50.00000	0.00483	
			Ethoxylated Tridecanol	Proprietary	2.50000	0.00366	
			Surfactant	Proprietary	3.00000	0.00285	
			Hydrotreated light distillate	64742-47-8	30.00000	0.00261	
			Quaternary ammonium compounds, benzyl-C12-16- alkyldimethyl, chlorides	68424-85-1	10.00000	0.00097	
			Oleic Acid Diethanolamide	93-83-4	5.00000	0.00065	
			Sodium erythorbate	6381-77-7	98.00000	0.00057	
			Ethanol	64-17-5	1.50000	0.00048	
			Ethylene glycol	107-21-1	40.00000	0.00042	
			Diethylenetriamine penta (methylene phosphonic acid)	15827-60-8	10.00000	0.00040	
			Cinnamaldehyde	104-55-2	19.00000	0.00020	
			1-Octanol	111-87-5	19.00000	0.00020	
			1-Decanol	112-30-1	19.00000	0.00020	
			N,N-Dimethylformamide	68-12-2	19.00000	0.00020	
			Triethyl phosphate	78-40-0	19.00000	0.00020	
			Poly(oxy-1,2-ethanediyl), .alpha.- (nonylphenyl)-.omega.- hydroxy-	9016-45-9	19.00000	0.00020	
			2-Butoxyethanol	111-76-2	10.00000	0.00010	
			Isopropyl alcohol	67-63-0	10.00000	0.00010	
			Tar bases, quinoline derivatives, benzyl chloride- quaternized	72480-70-7	10.00000	0.00010	

* 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%

07/25/2025

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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Environmental Protection

07/25/2025

—SURFACE HOLE 10,511'

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

-BOTTOM HOLE 3,636'-

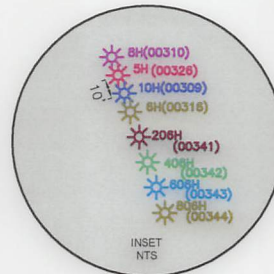
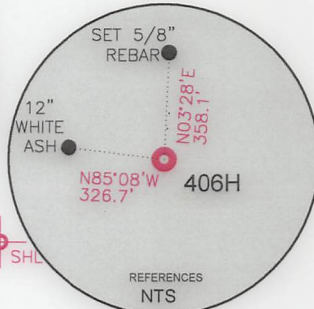
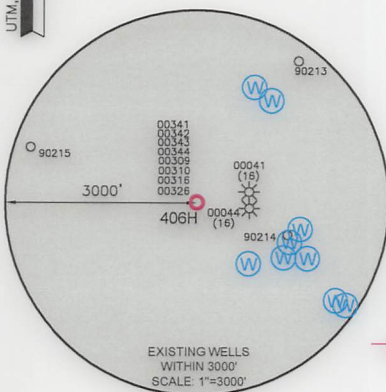
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,406.567
EASTING: 539,287.224
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,139.955
EASTING: 538,719.478
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,454,054.868
EASTING: 541,418.859

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 35°34'01" W	1043.17'	SHL TO LANDMARK	2" IRON PIPE FOUND
L2	N 66°05'45" W	1320.17'	SHL TO LANDMARK	STONE FOUND
L4	S 20°10'18" E	95.99'	AZL1 TO AZL2	
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 63°40'43" W	2054.34'	2576.96'	SHL TO LP

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 63°40'43" W	2054.34'	2576.96'	SHL TO LP

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

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,406.681
EASTING: 539,287.183
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,461,129.035
EASTING: 538,725.938
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,454,054.253
EASTING: 541,424.615



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

1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. 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



2000 0 2000



GRAPHIC SCALE IN FEET

SWN

SWIn $\frac{R^2}{A} \rightarrow V^+ \text{®}$
Production Company™

Production Company, LLC Production Company™



(+) 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)

STATE OF WV DNR C BRK

OPERATOR'S WELL #: 406H

API WELL #: 47 009 00342

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: 989.0'
DISTRICT: CROSS CREEK COUNTY: BROOKE QUADRANGLE: STEUBENVILLE EAST, WV
SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION ACREAGE: ±83.858
OIL & GAS ROYALTY OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF 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
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,931 TMD 31,311 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
	EXISTING / PRODUCING WELLHEAD		DRILLING UNIT
	LANDING POINT LOCATION		LEASE BOUNDARY
	EXISTING WATER WELL		ASDRILLED PATH
	EXISTING SPRING		PROPOSED PATH

REVISIONS:	DATE: 08-29-2024
	DRAWN BY: N. MANO
	SCALE: 1" = 2000'
	DRAWING NO:
	WELL LOCATION PLAT

LEGEND: ☉ EXISTING SPRING Ⓜ EXISTING WATER WELL ✕ LANDING POINT LOCATION ☼ EXISTING \ PRODUCING WELLS ☼ PROPOSED SURFACE HOLE \ BOTTOM HOLE — PROPOSED PATH — ASDRILLED PATH == LEASE BOUNDARY — DRILLING UNIT — SURVEYED BOUNDARY	CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 DESIGNATED AGENT: BRITTANY WOODY REVISIONS: DATE: 08-29-2024 DRAWING NO: SCALE: 1" = 200' DRAWN BY: N. MANO	07/25/2023 TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 2,931 TMD 31.311 TMD
---	---	--

The seal of the State of West Virginia is a circular emblem. It features a central shield with a landscape scene. On the left, a Native American figure stands holding a bow and arrow. On the right, a pioneer figure stands holding a rifle. In the center, a large rock is inscribed with the words "1796" and "1863". The shield is surrounded by a wreath. The outer border of the seal contains the text "STATE OF WEST VIRGINIA" at the top and "JANUARY 20 1863" at the bottom, separated by two stars.

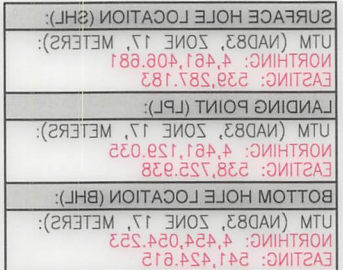
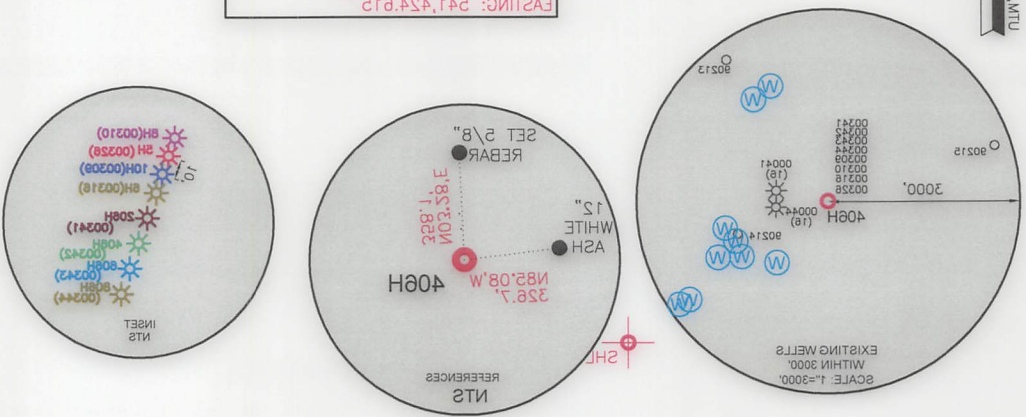
WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 825 FEET OF CENTER OF PAD.
2. NO AGRICULTURAL BUILDINGS > 2500 SQ FT. WITHIN 825 FEET OF CENTER OF PAD.
3. NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
4. NO PERMANENT STREAMS, LAKES, POND, OR RESERVOIRS WITHIN 200 FEET OF LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD LIMITS OF DISTURBANCE. E & S CONTROL OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
2. THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INTEREST ARE GRAD NORTN UNLESS OTHERWISE DEPICTED.

WELL RESTRICTIONS



LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
3	S 87.40° E 3.7	202.84	237.86	SHL TO LP
4	S 20.10° E 2	92.99		SHL TO A/L
5	N 86.02° E 1.3	130.17		SHL TO LANDMARK
6	N 32.34° W 1.0	104.17		SHL TO LANDMARK
7				2" IRON PIPE FOUND

EASTING: 541,418.898	UTM (NAD83, ZONE 17, METERS): 4,454,054.888	BOTTOM HOLE LOCATION (BHL):
EASTING: 538,119.478	NORTHING: 4,461,130.952	LANDING POINT (LP):
EASTING: 538,287.224	NORTHING: 4,461,406.567	UTM (NAD83, ZONE 17, METERS):
SURFACE HOLE LOCATION (SHL):		

HTPOT
CID NORTH
TJ 2U '17, US FT
MUTAG 28DAM, MTU

Diagram illustrating the dimensions of a rectangular structure, likely a container or vessel, showing two views: a side view and a top view.

Side View Dimensions:

- Overall Length: 80' 30.00"
- Overall Width: 1' 35.91"
- Internal Length: 80' 30.00"
- Internal Width: 2' 13.91"

Top View Dimensions:

- Overall Length: 80' 30.00"
- Overall Width: 1' 35.91"
- Internal Length: 80' 30.00"
- Internal Width: 2' 13.91"

The diagram shows a rectangular structure with a central rectangular area and a surrounding border. The dimensions are labeled in feet and inches, with the internal dimensions being slightly smaller than the overall dimensions.

0 2000 4000

GRAPHIC SCALE IN FEET

COMPANY: **swn**
Production Company, LLC
Production Company, LLC

APL WELL #:	47	COUNTY	009	PERMIT	00345
OPERATOR'S WELL #:					
4084					
STATE OF WY DNR C BRK					

07/25/2025

TARGET FORMATION: MARCELLUS

ESTIMATED DEPTH: 5,931 TMD 31,311 TMD

CONVERT PLUG & ABANDON ☐ CLEAN OUT & REPLUG ☐ OTHER CHANGE ☐ (SPECIFY) ASDRILLED

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

OIL & GAS ROYALTY OWNER: NATURAL RESOURCES, PUBLIC LAND CORPORATION
 STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF

SURFACE OWNER: NATURAL RESOURCES, PUBLIC LAND CORPORATION
 STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF

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

ELEVATION: 989.0'

ACREAGE: ±83.858

ACREAGE: ±83.858

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

CITY: MORGANTOWN	STATE: WV	ZIP CODE: 26508	CITY: MORGANTOWN	STATE: WV	ZIP CODE: 26508
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200			ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200		
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC			DESIGNATED AGENT: BRITTANY WOODY		

	EXISTING SPRING EXISTING WATER WELL EXISTING POINT LOCATION EXISTING \ PRODUCING WELHEAD PROPOSED SURFACE HOLE \ BOTTOM HOLE		PROPOSED PATH ASDRILED PATH LEASE BOUNDARY DRLING UNIT SURVEYED BOUNDARY	REVISIONS:	DATE: 08-29-2024
WELL LOCATION PLAT					
DRAWING NO:					
SCALE: 1" = 2000'					
DRAWN BY: N. MANO					

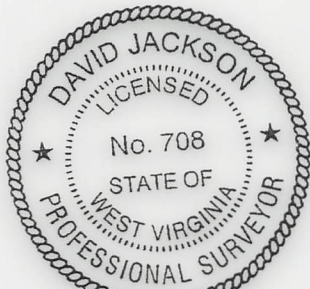
JACKSON SURVEYING
INC.
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851



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



07/25/2025

REVISIONS:	COMPANY:	SWN Production Company, LLC		DATE: 08-29-2024
		SWN Production Company™		DRAWN BY: N. MANO
	OPERATOR'S	STATE OF WV DNR C BRK	API:	SCALE: N/A
	WELL #:	406H	47-009-00342	DRAWING NO:
	DISTRICT:	CROSS CREEK	STATE:	WV
	COUNTY:	BROOKE		WELL LOCATION PLAT 2

	СКОЗ СРЕК ДИСТРИКТ:	ВРОКЕ КОПИЛ:	ММ СТАТЕ:	МЕГ ЛОСАТИОН БЛАТ 2
	МЕГ #:	40ЕН	41-008-00345	ДРАВИНГ НО:
	ОБЕРАТОР,2	СТАТЕ ОЕ ММ ДИВ С ВРК	АВЛ:	СТАТЕ: И\А
		Production Company, LLC	Production Company, LLC	ДРАВИНГ БЛ: И\АИО
		2MM	2MM	DATE: 08-58-5054
РЕЛИЗИОН2:	КОМПАНИ:			

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



07/25/2025

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



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



07/25/2025

REVISIONS:		COMPANY:		DATE: 08-29-2024	
		SWN		SWN	
		Production Company, LLC		Production Company™	
		OPERATOR'S STATE OF WV DNR C BRK		API: 47-009-00342	
		WELL #: 406H		DRAWN BY: N. MANO	
		DISTRICT: CROSS CREEK		SCALE: N/A	
		COUNTY: BROOKE		DRAWING NO:	
		STATE: WV		WELL LOCATION PLAT 3	

304-853-2821



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.

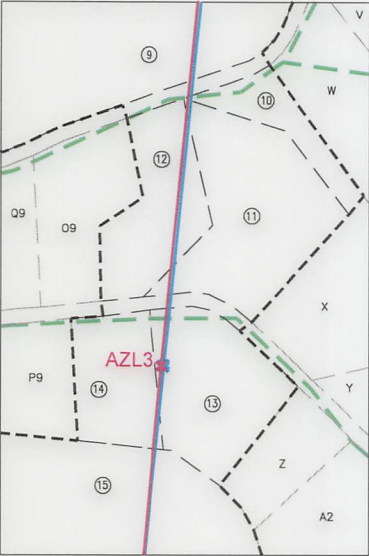
07/25/2025

CROSS CREEK DISTRICT:		COUNTY: BROOKE	STATE: WV		COMPANY:	REVISIONS:
WELL LOCATION PLAT 3 DRAWING NO:	SCALE: N\A	DRAWN BY: N. MANO	DATE: 08-29-2024			

TUESDAY FEBRUARY 11 2025 08:25AM
Z:\2025 BACKUPS\1-02-25 D1\SWN\STATE OF WA DIR C BRK\WELL PLATS\WELL PLAT\408H\FINAL\8-25-24\WA DIR C 408H WELL PLAT 08-25-24.DWG

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

DETAIL "B"



		CROSS CREEK DISTRICT:		BROOKE COMPA:		WA		MT LOCATION PLAT 4	
		MT #:		STATE OF WA DIR C BRK		STATE:		DRAWING NO:	
		OPERATION 2				408H		DRAWING BY: M. MAIO	
				AB:		45-008-00345		DATE: 08-30-2024	

Production Combsul LLC

Production Combsul LLC

2MW2

2MW2

REVISIONS: 1

COMPARISON: 1

08.2.24

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



DETAIL "B"

ENGINEER'S NO. 807.011
SIT # 45-008-00345
CROSS CREEK DISTRICT
1882-250-408

DETAIL "A"

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	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP (S/R)	4-CC20-6
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP (S)	4-CC19-169
3	GALIANO LINDY L (S)	4-CC19-170
4	EVANGELINOS CONSTANTINE & TOULA (SURV) (S)	4-CC19-171
5	NORFOLK & WESTERN RAILWAY CO (S)	4-C19K-18
6	STEWART IRR TR 10/1/14 CARLON & BETTY TRUS (S)	4-CC19-172
7	EDGELL ROSA MARIE (S)	4-CC19-176
8	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LC CORP (S)	4-CC23-325
9	JOHNS ALBERT; GARY; GREGORY; MOORE TAMMY (S)	4-CC23-326
10	COLLINS RANDY L JR & AMY R (SURVIVORSHIP) (S)	4-CC24-18
11	LICHT JANICE (S)	4-CC24-19
12	JOHNSON KATHY L (S)	4-CC24-19.1
13	COLEMAN ROBERT B & SHERRY E (SURVIVORSHIP) (S)	4-CC24-28
14	MOZINGO WARREN HARRY & LINDA DIANE (SURV) (S)	4-CC24-27
15	BRADLEY GEORGE L (S)	4-CC24-55
16	STEVENS JOHN & LINDA (S)	4-CC24-56
17	MALONEY CHARLES WAYNE & NANCY L (JTWS) (TOD) (S)	4-CC29-17
18	JOHNS LESLIE J & MELLISA J (JTWS) (S)	4-CC24-99
19	HEFFNER TERRI (S)	4-CC24-84
20	HART ERIC; JEFFREY; KRISTOPHER (LE-KENNETH & SANDRA HART) (S)	4-CC29-19
21	WEST VIRGINIA DEPARTMENT OF TRANSPORTION DIVISION OF HIGHWAYS (S)	BUCKEY HILL ROAD
22	SKAGGS PAUL E III (S)	4-CC29-20
23	WOOD HAROLD B; RUNYAN KELLY J (SURV) (S)	4-CC29-27
24	WOOD HAROLD B; RUNYAN KELLY J (SURV) (S)	4-CC29-28
25	ELLIOTT BERNARD JR. LE (S)	4-CC29-65
26	STIMPSON LARRY J & SUSAN K (SURV) (S)	4-CC29-64
27	MCKEE ROBERT M (S)	4-CC29-90
28	WALES MARK A & KIMBERLY A (SURV) (S)	4-CC29-92
29	RIGGS RONALD (S)	4-CC29-100
30	GAGICH JONATHAN & JESSICA L (S)	4-CC29-109.2
31	GAGICH DIANA KIM (S)	4-CC29-109
32	GAGICH DIANA KIM (S)	4-CC29-117.1
33	CAMPBELL ERIC WILLIAM (S)	4-CC29-119
34	DESERIO PAUL R & DESERIO KATHY A (JTWS) (S)	4-CC29-124
35	DISERIO PAUL R (S)	4-CC29-123
36	REID JANIS BARNA (S)	4-CC29-149
37	BILLIARD PAUL;TIMOTHY;WALES KIM LE-CAROL BILLIARD (S)	4-CC29-148
38	FRESHWATER ROBERT LEE (S)	4-CC29-134
39	HAGLER CHARLES (S)	4-CC29-162
40	MARSHALL NATHAN D & REARDON SHANNON (JTWS) (S)	4-CC29-160
41	MAIN DRIVE CIVIC ASSOC INC (S)	4-CC29-155.1
42	ZUMPETTA JOHN L & KAREN R (SURV) (S)	4-CC29-176
43	OLIVEIRA PAUL R & KAREN SUE (SURV) (S)	4-CC29-175
44	THOMA MATTHEW E & TRACI L (S)	4-CC29-178
45	WELCH HATTIE J (S)	4-CC29-183
46	WELCH HATTIE J (S)	4-CC29-184
47	WALES KIMBERLY A & MARK ALLEN (SURVIVOR) (S)	4-CC29-185
48	BILLIARD PAUL T (S)	4-CC29-186.1
49	BILLIARD PAUL T (S)	4-CC29-186
50	HULL ROBERT D (S)	4-CC29-204
51	VOJVODICH MARK D; MELISSA ANN (S)	4-CC29-205
52	LOUNDER ROBERT W & VALARIE J (SURVIVORSHIP) (S)	4-CC29-206
53	HELSEL WILLIAM A (S)	4-CC29-207
54	WEST VIRGINIA DEPARTMENT OF TRANSPORTION DIVISION OF HIGHWAYS (S)	WASHINGTON PIKE A/K/A STATE ROUTE 27
55	ROBERSON CHARLES M & DOROTHY (S)	3-B29-5
56	HIGHLAND SPRINGS GOLF COURSE LLC (S)	3-B29-7
57	SHIDOCK ARLENE R (S)	3-B29-8
58	WEST VIRGINIA DEPARTMENT OF TRANSPORTION DIVISION OF HIGHWAYS (S)	BEALLS RIDGE ROAD
59	HIGHLAND SPRINGS GOLF COURSE LLC (S)	3-B29-18
60	BROWNLEE LAND VENTURES LP (S)	3-B34-78
61	BROWNLEE LAND VENT LP (S)	370-007-5
62	BROWNLEE LAND VENT (S)	370-011-4
63	BROWNLEE LAND VENT (S)	370-011-7
64	TAYLOR 2016 REVOC TRUST KENNETH LEE & ANN MARIE TRUSTEES (S)	370-011-2

07/25/2025

REVISIONS:	COMPANY:			
				
	OPERATOR'S STATE OF WV DNR C BRK		API:	DATE: 08-29-2024
	WELL #: 406H		47-009-00342	DRAWN BY: N. MANO
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	STATE: WV	SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 5

	СКО22 СБЕЕК	ВВООКЕ	ММ	МЕГТ ГОСАЦИОН БГА1 2
	DISTRICT:	COMPANY:	STATE:	DRYMINC NO:
	МЕГТ №:	40ЕН	41-008-00345	2CATE: N/A
	ОБЕРАТОР,2	STATE OF MЛ ДИВ С ВРК	API:	DRYMINC BY: И. МАИО
				DATE: 08-28-2024
	Production Company LLC		Production Company LLC	
	2MI		2MU	
REVISIONS:	COMPANY:			

24	ТАУГОВ 2026 ВЕЛОС ТРУ2Т КЕИИЕТН ГЕЕ & АИИ МАВЛЕ ТРУ2ТЕЕ2 (2)	310-011-5
23	ВКОМИГЕЕ ГАИД ЛЕИ1 (2)	310-011-1
25	ВКОМИГЕЕ ГАИД ЛЕИ1 (2)	310-011-4
27	ВКОМИГЕЕ ГАИД ЛЕИ1 ГЬ (2)	310-001-2
20	ВКОМИГЕЕ ГАИД ЛЕИ1УБЕ2 ГЬ (2)	3-В34-18
28	HIGHWAY2 ЗЫВИЕ2 СОГЕ СОУБ2Е ГТС (2)	3-В58-18
28	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY2 (2)	BEAUGT RIDGE ROAD
21	2HIDOCK АРГЕИЕ В (2)	3-В58-8
22	HIGHWAY2 ЗЫВИЕ2 СОГЕ СОУБ2Е ГТС (2)	3-В58-1
22	КОВЕР2ОИ СНАВГЕ2 М & ДОВОТНА (2)	3-В58-2
24	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY2 (2)	VA\VA STATE ROUTE 51
23	HEGEG MIPHAM A (2)	MAZHINCTION BIKE
25	ГОИИДЕВ КОВЕРТ М & АУГАВЛЕ1 (2УБА1ЛОБ2НИБ) (2)	4-CC58-501
27	ЛО1ЛОДИС МАВК D: МЕП22А АИИ (2)	4-CC58-502
20	НПГТ КОВЕРТ D (2)	4-CC58-504
48	БИГПАВД БАУГ 1 (2)	4-CC58-182
48	БИГПАВД БАУГ 1 (2)	4-CC58-182
41	МАГЕ2 КИМБЕРГ А & МАВК АГГЕИ (2УБА1ЛОБ) (2)	4-CC58-182
42	MECH HATTIE1 (2)	4-CC58-184
42	MECH HATTIE1 (2)	4-CC58-183
44	THOMAS MATTHEW E & ТВАС1 Г (2)	4-CC58-118
43	ОПЛЕИВА БАУГ В & КАВЕИ 2НЕ (2УБА1) (2)	4-CC58-112
45	СУМБЕТТА ТОНИ Г & КАВЕИ В (2УБА1) (2)	4-CC58-112
47	MAIN DRIVE CIVIC A22OC ИС (2)	4-CC58-122
40	МАВ2НАГТ МАТНАИ D & ВЕАВДОИ 2НАВИОИ (11М2) (2)	4-CC58-120
38	НАСГЕВ СНАВГЕ2 (2)	4-CC58-125
38	ВБЕ2НМАТЕВ КОВЕРТ ГЕЕ (2)	4-CC58-134
31	БИГПАВД БАУГ:11МОТНА:МАГЕ2 КИМ ГЕ-САВОГ БИГПАВД (2)	4-CC58-148
32	BEID TAVI2 BABIA (2)	4-CC58-148
32	DIGEBIO BAUG B (2)	4-CC58-153
34	DE2EBIO BAUG B & DE2EBIO KATNA A (11М2) (2)	4-CC58-154
33	CAMPBELL ERIC MIPHAM (2)	4-CC58-178
35	ЕАЕИСН ДИВИА КИМ (2)	4-CC58-171
37	ЕАЕИСН ДИВИА КИМ (2)	4-CC58-108
30	ЕАЕИСН ТОИАТНАИ & ТЕ22ИСА Г (2)	4-CC58-108
58	ВЕСЕ2 КОИАГД (2)	4-CC58-100
58	МАГЕ2 МАВК А & КИМБЕРГ А (2УБА1) (2)	4-CC58-85
51	MSKEE KOBERT M (2)	4-CC58-80
52	2.11МБ2ОИ ГАВБА1 & 2Н2АИ К (2УБА1) (2)	4-CC58-84
52	ETIOTT BEBIAVD 1B' GE (2)	4-CC58-82
54	MOOD HAVOGD B' ВЛИАИ КЕГГА1 (2УБА1) (2)	4-CC58-58
53	MOOD HAVOGD B' ВЛИАИ КЕГГА1 (2УБА1) (2)	4-CC58-51
55	2КАСЕ2 БАУГ Е III (2)	4-CC58-50
57	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY2 (2)	BUCKLEY HIGT ROAD
50	НАВТ ЕВИС: ТЕЕВБЕА: КВИ2ТОБНЕВ (ГЕ-КЕИИЕТН & 2АИДРВА НАВТ) (2)	4-CC58-18
78	HEEHEB TEBBI (2)	4-CC58-84
78	ТОНИ2 ГЕ2ПЕ1 & МЕП22А 1 (11М2) (2)	4-CC58-88
71	МАГОИЕА СНАВГЕ2 МАВЛЕ & ИАИСЛ Г (11М2) (10D) (2)	4-CC58-11
72	2ТЕЛЕИ2 ТОНИ & ПИДА (2)	4-CC58-22
72	ВВАДГЕА СЕОВСЕ Г (2)	4-CC58-22
74	MOZINCO MAVBEI HAVBA & ПИДА ДИВИЕ (2УБА1) (2)	4-CC58-51
73	СОГЕМАИ КОВЕРТ В & 2НЕВВА Е (2УБА1ЛОБ2НИБ) (2)	4-CC58-58
75	ТОНИ2ОИ КАТНА Г (2)	4-CC58-18
77	FICTI TAVICE (2)	4-CC58-18
70	СОГПИ2 ВАИДЛ Г1В & АМА В (2УБА1ЛОБ2НИБ) (2)	4-CC58-18
8	ТОНИ2 АГВЕРТ: САВЛ: СВЕ2СОВА: МООВЕ ТАММА (2)	4-CC58-352
8	WEST VIRGINIA 21 ОЕ ВУБЕАН ОЕ СОММ ДИЛ ОЕ ИА1 ВЕ2 БВ ГС СОВБ (2)	4-CC58-352
1	EDGEFT KOGA MAVIE (2)	4-CC58-112
e	2ТЕМАВТ ИВБ ТВ ТО\Т\Т4 САВГОИ & ВЕТТА ТРУ2 (2)	4-CC58-115
2	ИОВЕОТК & МЕ2ТЕВИ ВАИГМАЛ СО (2)	4-CT8K-18
4	ЕЛАИДЕПИО2 СОИ2ТАИИЕ & ТОУГА (2УБА1) (2)	4-CT8K-111
3	ЕАПАИО ПИДА Г (2)	4-CT8K-110
5	WEST VIRGINIA 21 ОЕ ВУБЕАН ОЕ СОММ ДИЛ ОЕ ИА1 ВЕ2 БВ ГД СОВБ (2)	4-CT8K-128
ТРАСТ	2УБЕАСЕ ОМИЕВ (2)	ТАХ БАВСЕГ
7	WEST VIRGINIA 21 ОЕ ВУБЕАН ОЕ СОММ ДИЛ ОЕ ИА1 ВЕ2 БВ ГД СОВБ (2\В)	4-CC50-2
ТРАСТ	2УБЕАСЕ ОМИЕВ (2) \ КОАУГТА ОМИЕВ (В)	ТАХ БАВСЕГ
	МЕГТ ВОВЕ ТРАСТ2	

07/25/2025

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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	GALIANO LINDY L &	4-CC20-19.1
B	CARTER EDWARD L & DEBORAH C JTWS	4-CC20-18
C	CARTER EDWARD L	4-CC20-17
D	GALIANO ERIC T	4-CC20-16
E	GALIANO ERIC T	4-CC20-14
F	GALIANO ERIC T	4-CC20-19
G	MCCONNELL KEVIN	4-CC20-11
H	MCCONNELL BARBARA J	4-CC20-10
I	PRONCHIK SUSAN KAY	4-CC20-8
J	BERNARDINI JUDITH ANN	4-CC20-9
K	BERNARDINI MICHAEL LEE & JULIE LYNN	4-CC20-44
L	NORFOLK & WESTERN RAILWAY CO	4-C24B-29
M	NICKOLES 3 LLC	4-CC20-33
N	WEST VIRGINIA ST OF BUREAU OF COMM DIV OF NAT RES PB LD CORP	4-CC24-3
O	CORK BRANDON & LORETTA SANCHEZ	4-CC24-8
P	VAUGHN MARK E & USA A (SURV)	4-CC24-9
Q	MIHLBAUER DAVID A & TERI L	4-CC24-10
R	PETTRY OTTIS T	4-CC24-12
S	CROSS RAYMOND S DENNIS P & BUTLER KATHRYN R	4-CC24-13
T	CZESZYICKI JOSEPH P & TOM METZ	4-CC24-6
U	BAIRD WILLIAM C & CYNTHIA L (SURV)	4-CC24-5
V	LYNCH THERESA ANN (LE-CHARLES & ELLEN THORNE	4-CC24-16
W	COLLINS RANDY L JR & AMY R (SURVIVORSHIP	4-CC24-17
X	HUNTER ROBERT JR	4-CC24-48
Y	TAYLOR JENNIFER	4-CC24-47
Z	TAYLOR BUDDY L JR & PATRICIA L (SURV)	4-CC24-29
A2	ADAMS JASON R	4-CC24-30
B2	WHITE ROGER DALE	4-CC24-31
C2	WHITE ROGER DALE	4-CC24-32
D2	MCCLOUD PAULETTE	4-CC24-33
E2	SHINGLE EVA RAYMOND	4-CC24-34
F2	SHINGLE EVA & RAYMOND	4-CC24-35
G2	CRAWFORD BERNARD E (TOD) & WILMA A	4-CC24-36
H2	CRAWFORD BERNARD E (TOD) & WILMA L	4-CC24-37
I2	HUNTER WILLIAM R & GLORIA J	4-CC24-38
J2	SMITH VICKIE L	4-CC24-39
K2	PEHANICH DIANA LYNN TOD MICHELLE ALLMAN	4-CC24-15
L2	CROSS RAYMOND S DENNIS P & BUTLER KATHRYN R	4-CC24-13
M2	OBER MICHAEL	4-CC24-7
N2	SMITH DEAN	4-CC24-98
O2	MCFADDEN MICHAEL K & SHARON (SURV)	4-CC24-93
P2	CIPRIANI MICHAEL J	4-CC24-142
Q2	CIPRIANI MICHAEL J	4-CC24-141
R2	EARNEST JACK & LESLIE M (SURV)	4-CC24-138
S2	FARRELL KEVIN M & HEIDI J (SURV)	4-CC24-92
T2	FARRELL KEVIN M & HEIDI J (SURV)	4-CC24-91
U2	BRADY RALPH A & KIM (SURV)	4-CC24-90
V2	FERGUSON BRIAN L & NANCY J (SURV) (TOD)	4-CC24-89
W2	HUFFNER JAMES E & PATRICIA	4-CC24-88
X2	HUFFNER JAMES E & PATRICIA A (SURV)	4-CC24-99.6
Y2	CECCHINI CHRISTOPHER L	4-CC24-87
Z2	CECCHINI CHRISTOPHER	4-CC24-86
A3	BOLEN MICHAEL SCOTT	4-CC24-85
B3	FERGUSON DREW	4-CC24-84.1
C3	ROHR ANITRA	4-CC24-124.1
D3	CLEM MICHAEL G	4-CC29-23
E3	HART KRISTOPHER B & CHRISTY L (SURV)	4-CC29-22
F3	HART KRISTOPHER BRIAN	4-CC29-21
G3	SPENCER MICHAEL L & LORI L (SURV)	4-CC29-31
H3	LOUGHRIE WILLIAM & DIANE (SURV)	4-CC29-30
I3	CIPOLETTI RYAN	4-CC29-29
J3	JOZWICK RICHARD A & KAREN A	4-CC29-46
K3	EATON JAMES W	4-CC29-45
L3	HUNTER CLARA MAE NKA JACKSON CLARA TUD	4-CC29-48
M3	CYPHERT DEBRA-1/2;FAIR MATTHEW 1/4;BRUFFY SUSAN-1/4	4-CC29-57
N3	WALES MARK A & KIMBERLY A (SURV)	4-CC29-91
O3	KRAFT JEREMIAH ET AL	4-CC29-111
P3	GAGICH JONATHAN	4-CC29-109.1
Q3	KRAFT CHARLES L & JANNA	4-CC29-110
R3	CAMPBELL ERIC W	4-CC29-117
S3	DISERIO PAUL RAYMOND & KATHY A	4-CC29-126
T3	DISERIO PAUL R	4-CC29-125
U3	FILKINS RANDY	4-CC29-147
V3	MAYNARD COREY L	4-CC29-146
W3	AUBER ARTHUR D & GERALDINE A (SURV)	4-CC29-142
X3	AUBER ARTHUR & GERALDINE A	4-CC29-138
Y3	OHLER LORI ANN & RICKI (SURV)	4-CC29-137
Z3	PAULL JOHN	4-CC29-136
A4	HARTZER JAMES N & EVANS HARTZER CAROLE G (SURV)	4-CC29-135
B4	FLUHARTY JERRY & MARY	4-CC29-133
C4	CYPHERT DEBRA-1/2;FAIR MATTHEW1/4; BRUFFY SUSAN-1/4	4-CC29-57
D4	STATE UINE REAL EST LLC	370-07-01
E4	STEWART RUTH ANN 1/2 JACKSON MADELON DAWN 1/2 TOD	4-CC29-194
F4	STEWART RUTH ANN 1/2 JACKSON MADELON DAWN 1/2 TOD	4-CC29-193
G4	PACKER JAMI	4-CC29-192
H4	CLAMPITT NORMAN C & JEANETTA K (SURV)	4-CC29-190
I4	FRESHWATER ROBERT LEE	4-CC29-168
J4	MAIN DRIVE CIVIC ASSOC INC	4-CC29-167

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
K4	FRESHWATER ROBERT LEE	4-CC29-166
L4	FRESHWATER ROBERT LEE	4-CC29-165
M4	FRESHWATER ROBERT LEE	4-CC29-164
N4	HENLINE MICHELLE J	4-CC29-163
O4	FRESHWATER MELISSA J	4-CC29-173
P4	FRESHWATER MELISSA J	4-CC29-172
Q4	FRESHWATER MELISSA J	4-CC29-171
R4	FRESHWATER MELISSA J	4-CC29-169
S4	CLAMPITT NORMAN C & JEANETTA K	4-CC29-170
T4	WILEY DEAN A & PALMER HELENA M (SURV)	4-CC29-174
U4	MILLER CARL M & JOYCE A (SURV)	4-CC29-187
V4	ELLIOT JUSTIN R	4-CC29-202
W4	ELLIOT JUSTIN R	4-CC29-203
X4	HELSEL WILLIAM & FRANCES (SURV)	4-CC29-208
Y4	FLETCHER RICHARD T JR; PLATT JOEI L	4-CC29-214
Z4	TAYLOR CHARLES C JR & MICHELE L (JTWS)	4-CC29-215
A5	RYAN TIMOTHY A & SONDR A M	4-CC29-216
B5	KLAGES KEITH C	4-CC29-217
C5	HIGHLAND SPRINGS GOLF COURSE LLC	3-B29-6
D5	CONNOLLY BRIAN & TAMMY	4-CC29-219
E5	RUDLAND JOHN	4-CC29-220
F5	LYLE MONICA T	4-CC29-221
G5	RASZ MICHAEL RAYMOND	4-CC29-221.1
H5	MINOR LISA M	4-CC29-233
I5	L & M RENTALS LLC	4-CC29-234
J5	MILLS DARREN P	4-CC29-235
K5	SMITH RYAN M & BROOKE N	370-07-1.1
L5	HIGHLAND SPRINGS GOLF COURSE	370-07-06
M5	BRIGGS ROBERT G & NANCY L	370-07-02
N5	DEPETRO JOSEPH J III	370-11-09
O5	JACOBS LISA J & TERRY G	370-11-9.1
P5	BELLVIEW CAMP MEETING ASSO DAVID STONER (TREASURER)	370-07-3
Q5	CUNNINGHAM PAULA	370-07-4
R5	SENG RONALD BERNARD & JOANNE ALICE	370-11-06
S5	DEPETRO JOSEPH J III	370-11-9.2
T5	RUSH GARY	370-11-8
U5	CUNNINGHAM PAUL A	370-12-02
V5	BROWNLEE ANDREA GEORGETTI	370-12-01
W5	BROWNLEE LAND VENT LP	370-11-1
X5	MULLINS JOHN JR	370-11-3.1
Y5	HENSLE L LOUIS W JR & MARGARET	3-B34-57
Z5	APPALACHIA MIDSTREAM SERVICES LLC	3-B34-66
A6	SHEERAN MARY L & CRAFT CUCARESE BEVERLY	3-B34-67
B6	WINTERS SHIRLEY (TOD) WINTERS ROBERT G (ETAL)	3-B34-68
C6	SONDA RICHARD L & SONDA HAROLD	3-B34-69
D6	HANNAHS FREDERICK L	3-B34-70
E6	HANNAHS FREDERICK L	3-B34-71
F6	HANNAHS FREDERICK L	3-B34-72
G6	THOMAS CHAD K & HANNAH R JTWS	3-B34-73
H6	THOMAS CHAD K & HANNAH R JTWS	3-B34-74
I6	THOMAS CHAD K & HANNAH R JTWS	3-B34-75
J6	KOSCEVIC MICHAEL T & SHERYL A (SURV)	3-B34-76
K6	FELTON DANIEL KEVIN	3-B34-79
L6	HIGHLAND SPRINGS GOLF COURSE LLC	3-B34-80
M6	ANKRUM ERIN C. (ETAL)	3-B34-82
N6	MITCHELL MELANIE	3-B34-84
O6	HUNT WILLIAM CURTIS & SUSAN L (SURV) (TOD) SCOTT KRISTEN E	3-B34-7
P6	PAULL CHRISTOPHER J & MARY ELLEN (SURV)	3-B34-4
Q6	PAULL CHRISTOPHER J & MARY E (SURVIVORSHIP)	3-B34-3
R6	PAULL CHRISTOPHER J & MARY ELLEN (SURV)	3-B29-15.2
S6	DIAMOND JANA L	3-B29-15.1
T6	HONE MARK A & LAUREN M JTWS	3-B29-19
U6	HONE MARK A & LAUREN M JTWS	3-B29-20
V6	HONE MARK A & LAUREN M JTWS	3-B29-21
W6	SANFORD HARRY E; NEELY CHATMAN L (SURV)	3-B29-16
X6	CHIVERS NORMA E CHIVERS ALAN J. ETAL	3-B29-12
Y6	MALUNKY KEITH & KIM	3-B29-22
Z6	CHIVERS NORMA E TOD CHIVERS ALAN J ETAL	3-B29-11
A7	SONDA HAROLD S & SHIRLEY J	3-B29-10
B7	SONDA HAROLD S & SHIRLEY	3-B29-9
C7	SKYWATCHER LINDA TOD SKYWATCHER DANIEL (ETAL)	3-B29-23
D7	JONES ZACHARY & MICHELE	3-B29-13
E7	FALBO PENNY	3-B29K-23
F7	FALBO PENNY	3-B29K-22
G7	CECCHINI MELANIE A	3-B29K-21
H7	BATES MELANIE	3-B29K-12
I7	BROWNLEE LAND VENTURES LP	3-B29K-11
J7	SMITH RONALD E & NANCY L (SURV)	3-B29K-10
K7	STROPE AARON H & BETH A (SURV)	3-B29K-9
L7	STROPE AARON H & BETH A (SURV)	3-B29K-8
M7	WALL ROBERT L	3-B29K-7
N7	FRESHWATER ROBERT LEE	4-CC29-182
O7	SCHERICH EARL L JR & MARTHA A (SURV)	4-CC29-179
P7	EVERHART LARRY E & DEBORAH A	4-CC29-180
Q7	ZUMPETTA JOHN L & KAREN R (SURV)	4-CC29-177
R7	FRESHWATER ROBERT LEE	4-CC-29-181
S7	GEORGETTI ANDREA M	3-B29K-5
T7	BROWNLEE LAND VENTURES LLC	3-B29K-4
U7	FRESHWATER ROBERT LEE	4-CC29-155
V7	RAY CLARISSA ANN	4-CC29-156

07/25/2025

REVISIONS:	COMPANY:		SWN Production Company, LLC SWN Production Company™	
	OPERATOR'S STATE OF WV DNR C BRK		API:	DATE: 08-29-2024
	WELL #: 406H		47-009-00342	DRAWN BY: N. MANO
	DISTRICT: CROSS CREEK	COUNTY: BROOKE	STATE: WV	SCALE: N/A
			DRAWING NO:	
			WELL LOCATION PLAT 6	

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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
W7	TAYLOR CHARLES B SR & TONDA L (SURVIVORSHIP)	4-CC29-157
X7	HAVELKA SANDRA K	4-CC29-158
Y7	BLUNDON A LEE & STEPHANIE J (SURV)	4-CC29-159
Z7	REITTER PAUL & JENNIFER	4-CC29-161
A8	BLANKENSHIP PHILLIP E	4-CC29-153
B8	ODKAN HEATHER LEE	4-CC29-152.1
C8	CUNNINGHAM MARIANNE KATHLEEN	4-CC29-150
D8	CASINELLI JAMES MICHAEL	4-CC29-122
E8	DISERIO PAUL R & KATHY A (JTWS)	4-CC29-125.1
F8	CAMPBELL ERIC WILLIAM	4-CC29-119.1
G8	LANGLEY JOSEPH L & KATHLY JO (SURV)	4-CC29-116
H8	LANGLEY JOSEPH L & KATHY JO (SURV)	4-CC29-115
I8	DEWITT STANLEY WILLIAM & KATELYNN ELLEN DAWN JTWS	4-CC29-107
J8	WALDEN JEFF	4-CC29-106
K8	HOFFMAN CHARLES	4-CC29-105
L8	MASON CAROLYN CHRISTINE	4-CC29-101
M8	RUGGIERI MICHAEL J	4-CC29-100.2
N8	RADICK RONALD R & CHRISTINE (SURV)	3-B29E-3
O8	DAYTON-WHITLATCH AMITY LAEL	3-B29E-2
P8	RIGGS RONALD	4-CC29-99
Q8	BALLATO CHRISTOPHER & RUTH (SURV)	4-CC29-95
R8	DONLEY KAREN J	4-CC29-95.1
S8	MCKEE URSON JASHU	4-CC29-87
T8	MCKEE URSON JASHU	4-CC29-88
U8	ELLIOTT BERNARD JR LE ELLIOTT BERNARD & LELA	4-CC29-66
V8	WOOD DAVID LACY	4-CC29-67
W8	HENTHORN CHRIS A & VALERIE JUNE (SURV)	4-CC29-18
X8	SOBOTA WOODROW RYAN ASHLEY R (JTWS)	4-CC29-17.1
Y8	MALONEY CHARLES W & NANCY L (JTWS) (TOD)	4-CC29-16
Z8	MCCONNAUGHY COLIN J HONE MORGAN (JTWS)	4-CC29-15
A9	PHILLIPS MARK A	4-CC29-13
B9	MALONEY CHARLES WAYNE & NANCY L (SURV) (TOD)	4-CC29-12
C9	WOOD CHRISTOPHER & MISTY M (JTWS)	4-CC29-10
D9	WOOD CHRISTOPHER D & MISTY M (SURV)	4-CC29-6
E9	VISYAK PATRICIA M	4-CC24-83
F9	HAMRICK HAROLD DEWAYNE	4-CC24-57
G9	COOKE DOUGLAS B	4-CC24-54.1
H9	KLAGES KEVIN W & LINDA K SURV	4-CC24-52
I9	KLAGES KEVIN W & LINDA K SURV	4-CC24-51
J9	GOOCH JUDITH L (ETAL)	4-CC24-49
K9	BRADLEY GEORGE L	4-CC24-132
L9	LEMASTERS DONALD & JOYCE (SURV)	4-CC24-23
M9	FIGUEROA KAIA	4-CC24-24
N9	BURDINE CALVIN G & BOYCE HANNA M (JTWS)	4-CC24-25
O9	LAUCK MARIE	4-CC24-26
P9	KISNER EUGENE WILFRED & CYNTHIA KAY	4-CC24-20
Q9	HUNTER DIXIE DARE (TOD) HUNTER ROBERT ANDREW	4-CC24-21
R9	MOORE FAMILY REV LIVING TRUST TRUS- RICHARD & TAMMY MOORE	4-CC24-4
S9	GEORGETTI RANDY V & TAMMY S (SURV)	4-CC24-22
T9	GOOCH JUDITH L	4-CC23-370
U9	SULLIVAN ARTHUR E JR	4-CC23-368
V9	SILVER CHARLES;HALSTEAD DONNA LIVINGOOD SHERRY (1/3)	4-CC23-327
W9	THOMPSON DEBRA J	4-CC23-320
X9	BARONIO CURTIS R & DONNA J	4-CC23-321
Y9	COOK FAMILY REVOCABLE TRUST 4/20/17, MALSON SUSAN A	4-CC23-322
Z9	MENEELY BOBBIE JO; MINICH RANDALL	4-CC23-324
A10	CARBASHO THOMAS & CALDWELL TINA	4-CC23-323
B10	POWER ADRIAN ELIZABETH & EMIL JAMES LOPPE (JTWS)	4-CC19-185
C10	MOORE CHARLES D & CECELIA FAY (JTWS)	4-CC19-180
D10	KASPER PAUL & MITCHELL JENNIFER (JTWS)	4-CC19-174
E10	WILSON NORMA	4-CC19-175
F10	THOMAS FLORENCE M	4-CC19-173
G10	BLACK CLARENCE T JR & TAMMY L	4-CC19-186
H10	NOGA CODIE L & KATRINA MILLER	4-CC19-187
I10	D'AGOSTINO PETER	4-CC19-188
J10	NICKOLES GREGORY; RANDY;JEFFRE (LE-DANNY & GRACE NICKOLES)	4-CC19-160
K10	BAKER DAVID	4-CC19-164
L10	EMMERTH DOUGLAS P & PAMELA L JTWS	4-CC19-165
M10	STATE OF WEST VIRGINIA BUREAU OF COMMERCE DIV OF NAT RESOURC	4-CC19-168
N10	LANGEVIN GRETCHEN MOORE WESBANCO BANK INC	4-CC20-5
O10	MILLER JOHN ERNEST, JESSE ANDREW (SURV)	4-CC20-4
P10	BREEN SUSAN D & DENNIS M	4-CC20-22
Q10	COLLIERS SPORTSMAN CLUB	4-CC20-21
R10	ROUSE WILLIAM MORGAN & DORIS J	4-CC20-20
S10	BLACK LINDY L	4-CC20-7

07/25/2025

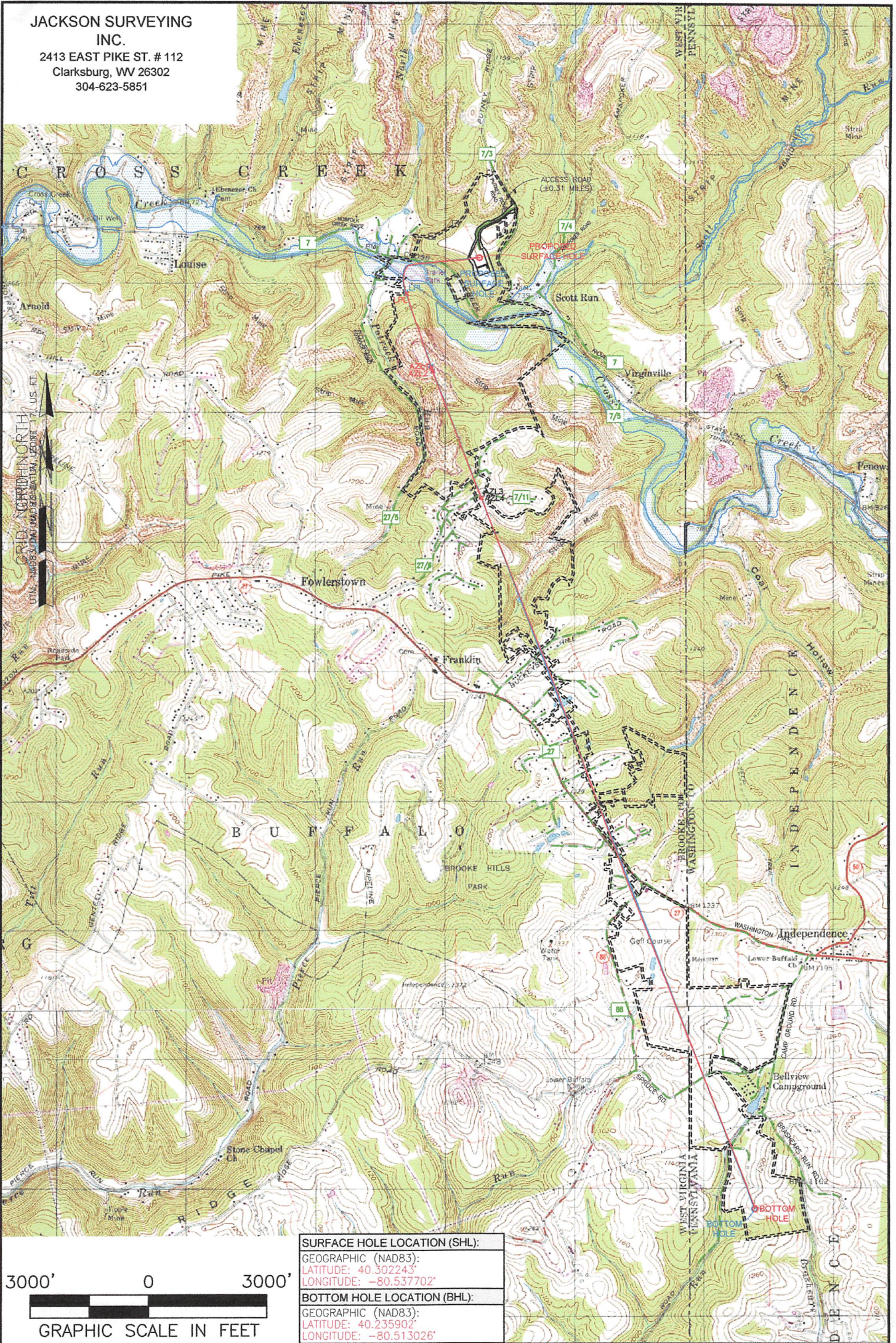
REVISIONS:	COMPANY:			
	SWN Production Company, LLC		SWN Production Company™	
	OPERATOR'S STATE OF WV DNR C BRK		API:	DATE: 08-29-2024
	WELL #: 406H		47-009-00342	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	CROSS CREEK	BROOKE	WV	DRAWING NO:
	WELL LOCATION PLAT 7			

TRACT	SURFACE OWNER	TAX PARCEL
210	BLACK LINDY J	4-CG30-7
210	ROUSE WILLIAM MORGAN & DORIS I	4-CG30-30
Q10	COLLIER'S SPORTSMAN CLUB	4-CG30-31
P10	JOHN SUSAN D & DENNIS M	4-CG30-32
O10	MILLER JOHN ERNEST JESSE ANDREW (SURV)	4-CC30-33
N10	LANGFELN GRETCHEN MOORE WEBBANKO BANK INC	4-CC30-2
M10	STATE OF WEST VIRGINIA BUREAU OF COMMERCE DIV OF NAT RESOURC	4-CG19-168
K10	BAKER DAVID	4-CG19-164
J10	NICKOLAS GREGORY; RANDY; JEFFREY (IE-DANNY & GRACE NICKOLAS)	4-CG19-160
I10	D'ANGELIS PETER	4-CG19-188
H10	NOGA CODIE L & KATHARINE MILLER	4-CG19-183
G10	BLACK CLARENCE JR & TAMMY L	4-CG19-186
F10	THOMAS FLORENCE M	4-CG19-173
E10	WILSON NORMAN	4-CG19-172
D10	KASPER PAUL & MITCHELL JENNIFER (1TW2)	4-CG19-174
C10	MOORE CHARLES D & CECILIA FAY (1TW2)	4-CG19-180
B10	POWER ADRIAN ELIZABETH & EMIL JAMES LOPEZ (1TW2)	4-CG19-182
A10	CARBASO THOMAS & CADDWELL TINA	4-CG33-333
Z0	MENEELY BOBBIE JO; MINICH RANDALL	4-CG33-334
Y0	COOK FAMILY REVOCABLE TRUST 4/30/17; MARION SUSAN A	4-CG33-332
X0	BARONIO CURTIS R & DONNA I	4-CG33-331
W0	THOMPSON DEBRA I	4-CG33-320
V0	SILVER CHARLES; HATFIELD DORIAN LIVINGOOD SHERY (1/3)	4-CG33-337
U0	SULLIVAN ARTHUR E JR	4-CG33-308
T0	GOOCH LINDITH J	4-CG33-370
S0	GEORGETTI RANDY V & TAMMY Z (SURV)	4-CG34-33
R0	MOORE FAMILY REV LIVING TRUST 1/1/72- RICHARD & TAMMY MOORE	4-CG34-4
Q0	HUNTER DIXIE DARE (TOD) HUNTER ROBERT ANDREW	4-CG34-31
P0	KISNER EUGENE WILFRED & CYNTHIA KAY	4-CG34-30
O0	LACK MARIE	4-CG34-36
N0	BURDINE CALVIN G & BOYCE HANNA M (1TW2)	4-CG34-32
M0	FIGUEROA KAIA	4-CG34-34
L0	LEWISTERS DONALD & JOYCE (SURV)	4-CG34-33
K0	BRADLEY GEORGE J	4-CG34-133
J0	GOOCH LINDITH I (ETAL)	4-CG34-49
I0	KLAGES KEVIN W & LINDA K SURV	4-CG34-21
H0	KLAGES KEVIN W & LINDA K SURV	4-CG34-23
G0	COOKE DOUGLAS B	4-CG34-24
F0	HAMRICK HAROLD DEWAYNE	4-CG34-23
E0	M VISAY PATRICIA M	4-CG34-83
D0	WOOD CHRISTOPHER D & MISTY (SURV)	4-CG34-6
C0	WOOD CHRISTOPHER & MISTY M (1TW2)	4-CG34-10
B0	MALONEY CHARLES WAYNE & NANCY I (TOD)	4-CG34-13
A0	PHILLIPS MARK A	4-CG34-13
Z0	MCCONNAGUE COULI I HOME MORGAN (1TW2)	4-CG34-12
Y0	MALONEY CHARLES W & NANCY I (1TW2) (TOD)	4-CG34-16
X0	SOBOSAT WOODROW RYAN ASHLEY R (1TW2)	4-CG34-17
W0	HEINTHORN PHILIP A & AVERIE LUNE (SURV)	4-CG34-18
V0	WOOD DAVID LACY	4-CG34-63
U0	ELLIOTT BERNARD JR ELLIOTT BERNARD & ELJA	4-CG34-66
T0	MCKEE URSON JASUHN	4-CG34-88
S0	MCKEE URSON JASUHN	4-CG34-87
R0	DONLEY KAREN I	4-CG34-92
Q0	BALLATO CHRISTOPHER & RUTH (SURV)	4-CG34-92
P0	RIGGS RONALD	4-CG34-99
O0	DAYTON-WHITTALCH WILLY LUEL	3-B30E-5
N0	RADICK RONALD R & R CHRISTINE (SURV)	3-B30E-3
M0	RUGGIERI MICHAEL I	4-CG34-100
L0	MASON CAROLYN CHRISTINE	4-CG34-101
K0	HOFFMAN CHARLES	4-CG34-102
J0	WALDEN JEFF	4-CG34-106
I0	DEWITT STANLEY WILLIAM & KATHLEEN ELLEN DAWN 1TW2	4-CG34-103
H0	LANGLEY JOSEPH I & KATHY JO (SURV)	4-CG34-112
G0	LANGLEY JOSEPH I & KATHY JO (SURV)	4-CG34-116
F0	CAMPBELL ERIC WILLIAM	4-CG34-119
E0	DISERIO PAUL R & KATHY A (1TW2)	4-CG34-122
D0	CASINELLI JAMES MICHAEL	4-CG34-123
C0	CUNNINGHAM MARAIAINE KATHLEEN	4-CG34-120
B0	ODKAM HEATHER LEE	4-CG34-123
A0	BLANKENSHIP PHILLIP E	4-CG34-161
Z0	REITTER PAUL & JENNIFER	4-CG34-129
Y0	BRUNDON A LEE & STEPHANIE I (SURV)	4-CG34-129
X0	HAYDAK SANDRA K	4-CG34-128
W0	TAYLOR CHARLES B SR & TONDA L (SURVIVORSHIP)	4-CG34-127
ADJOINING OWNERS TABLE		

WELL LOCATION PLAT 7		DRAWING NO:	SCALE: N/A	DRAWN BY: N. MANO	DATE: 08-28-2024
CROSS CREEK		DISTRICT:	COUNTY: BROOKE	STATE: WV	API: 47-009-00345
WELL #:		OPERATOR'S STATE OF WV DIR C BRK			
COMPANY:		Production Company, LLC			
REVISED:		Production Company, LLC			

JACKSON SURVEYING
INC.

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



SURFACE HOLE LOCATION (SHL):

GEOGRAPHIC (NAD83):
LATITUDE: 40.302243°
LONGITUDE: -80.537702°

BOTTOM HOLE LOCATION (BHL):

GEOGRAPHIC (NAD83):
LATITUDE: 40.235902°
LONGITUDE: -80.513026°

NOTES ON SURVEY

1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPLX LANDING POINT LOCATION
- 🌊 FLOOD PLAIN
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- == LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH

07/25/2025

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC

ADDRESS:
1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508

SURFACE OWNER: STATE OF WEST VIRGINIA, BUREAU OF COMMERCE, DIVISION OF NATURAL RESOURCES, PUBLIC LAND CORPORATION

WELL (FARM) NAME:
STATE OF WV DNR C BRK

COUNTY - CODE
BROOKE - 009

USGS 7 1/2 QUADRANGLE MAP NAME
STUEBENVILLE EAST, WV

WELL #
406H

SERIAL #
47-009-00342

DISTRICT;
CROSS CREEK