

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

API 47051025070000 County MARSHALL District SAND HILL  
Quad MOUNDSVILLE, WV Pad Name BETTY SCHAFER-MSH-PAD1 Field/Pool Name PANHANDLE FIELD WET  
Farm Name ROY A. SCHAFER JR. & EDWARD J. SCHAFER Well Number BETTY SCHAFER MSH 205H  
Operator (as registered with the OOG) SWN Production Company LLC  
Address PO Box 12359 City Spring State TX  
Zip 77391-2359

As Drilled Location NAD83/UTM Attach an as-drilled plat, profile view, and deviation survey

Landing Point of Curve  
Top Hole Northing 4426813.090 Easting 531114.718  
Northing 4426997.617 Easting 531557.300  
Bottom Hole Northing 4431253.237 Easting 529647.124

Elevation (ft) 848.7' GL Type of Well  New  Existing Type of Report  Interim  Final  
Permit Type  Deviate  Horizontal  Horizontal 6A  Vertical Depth Type  Deep  Shallow  
Type of Operation  Convert  Deepen  Drill  Plug Back  Redrill  Re-Work  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  
See attached Mud Summary Report

Date permit issued 2023-10-13 Date drilling commenced 2024-02-27 Date drilling ceased 2024-03-11  
Date Completion activities began 2024-04-27 Date Completion activities ceased 2024-05-27  
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 280' Oprn mine(s) (Y/N) depths N  
Salt water depth(s) ft 802' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 355' Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

APPROVED  
Reviewed by: [Signature]  
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API 47051025070000 Farm name ROY A. SCHAFFER JR. & EDWARD J. SCHAFFER Well number BETTY SCHAFFER MSH 205H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Wt lb/ft	Grade	Basket Depth	Did cement circulate (Y/N) *Provide details below*	
Conductor	20.000	20.000	136	NEW	94.00	J-55		Y	
Surface	17.500	13.375	412	NEW	54.50	J-55	N/A	Y/	27 BBLS
Coal	SEE SFC CSG								
Intermediate 1	12.250	9.625	1722	NEW	36.00	J-55		Y/	25 BBLS
Intermediate 2									
Intermediate 3									
Production	8.500	5.500	21965	NEW	20.00	P-110		Y/	45 BBLS
Tubing		2.875	6589	NEW	6.50	P-110			
Packer type and depth set									

Comment Details: \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>2</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	CLASS A	GROUT TO SURFACE				SURFACE	24
Surface	CLASS A	560	15.6	1.19	666.4	SURFACE	8
Coal							
Intermediate 1	CLASS A	761	15.6	1.18	897.98	SURFACE	8
Intermediate 2							
Intermediate 3							
Production	CLASS A	4219	14.5	1.29	5442.51	SURFACE	24
Tubing							

Drillers TD (ft) 21965 Loggers TD (ft) 21965

Deepest formation penetrated MARCELLUS Plug back to (ft) 21874

Plug back procedure N/A

Kick off depth (ft 5,565' MD) \_\_\_\_\_

Check all wireline logs run  caliper  density  deviated/directional  induction  sonic  
 neutron  resistivity  gamma ray  temperature

Well cored  Yes  No  Conventional  Sidewall Were cuttings collected  Yes  No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING:  
 SURFACE: **5** CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 INTERMEDIATE: **22** CENTRALIZERS - EVERY THIRD JOINT OF CASING  
 PRODUCTION: **451** 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 AS OPEN HOLE  Yes  No Details \_\_\_\_\_

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

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BETTY SCHAFFER MSH 205H  
ATTACHMENT 1  
PERF REPORT

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STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
21874	4/23/2024	21,874	21,778	36
2	4/27/2024	21,742	21,565	36
3	4/27/2024	21,532	21,355	36
4	4/28/2024	21,322	21,145	36
5	4/28/2024	21,112	20,935	36
6	4/28/2024	20,902	20,725	36
7	4/29/2024	20,692	20,515	36
8	4/29/2024	20,482	20,305	36
9	4/29/2024	20,272	20,095	36
10	4/29/2024	20,062	19,885	36
11	4/30/2024	19,852	19,675	36
12	4/30/2024	19,642	19,465	36
13	4/30/2024	19,432	19,255	36
14	5/1/2024	19,222	19,045	36
15	5/1/2024	19,012	18,835	36
16	5/1/2024	18,802	18,625	36
17	5/1/2024	18,592	18,415	36
18	5/2/2024	18,382	18,205	36
19	5/2/2024	18,172	17,995	36
20	5/2/2024	17,962	17,786	36
21	5/2/2024	17,753	17,576	36
22	5/3/2024	17,543	17,366	36
23	5/3/2024	17,333	17,156	36
24	5/3/2024	17,123	16,946	36
25	5/3/2024	16,913	16,736	36
26	5/3/2024	16,703	16,526	36
27	5/4/2024	16,493	16,316	36
28	5/4/2024	16,283	16,106	36
29	5/4/2024	16,073	15,896	36
30	5/4/2024	15,863	15,686	36
31	5/4/2024	15,653	15,476	36
32	5/5/2024	15,443	15,266	36
33	5/5/2024	15,233	15,056	36
34	5/5/2024	15,023	14,846	36
35	5/6/2024	14,813	14,636	36
36	5/6/2024	14,603	14,426	36
37	5/6/2024	14,393	14,216	36
38	5/7/2024	14,183	14,006	36
39	5/7/2024	13,973	13,796	36
40	5/7/2024	13,763	13,586	36
41	5/7/2024	13,553	13,376	36
42	5/8/2024	13,343	13,166	36

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**BETTY SCHAFFER MSH 205H**  
**ATTACHMENT 1**  
**PERF REPORT**

STAGE NUM	Perf Date	Perf Bottom MD	Perf Top MD2	# SHOTS PER STG
43	5/8/2024	13,133	12,956	36
44	5/9/2024	12,923	12,746	36
45	5/9/2024	12,713	12,536	36
46	5/9/2024	12,503	12,326	36
47	5/10/2024	12,293	12,116	36
48	5/10/2024	12,083	11,906	36
49	5/10/2024	11,873	11,696	36
50	5/11/2024	11,663	11,486	36
51	5/11/2024	11,453	11,276	36
52	5/11/2024	11,243	11,066	36
53	5/11/2024	11,033	10,856	36
54	5/12/2024	10,823	10,646	36
55	5/12/2024	10,613	10,436	36
56	5/12/2024	10,403	10,227	36
57	5/13/2024	10,194	10,017	36
58	5/13/2024	9,984	9,807	36
59	5/13/2024	9,774	9,597	36
60	5/14/2024	9,564	9,387	36
61	5/14/2024	9,354	9,177	36
62	5/14/2024	9,144	8,967	36
63	5/15/2024	8,934	8,757	36
64	5/15/2024	8,724	8,547	36
65	5/15/2024	8,514	8,337	36
66	5/16/2024	8,304	8,127	36
67	5/16/2024	8,094	7,917	36
68	5/16/2024	7,884	7,707	36
69	5/17/2024	7,674	7,497	36
70	5/17/2024	7,464	7,287	36
71	5/17/2024	7,254	7,072	72
72	5/18/2024	7,044	6,867	36
73	5/18/2024	6,834	6,657	36

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ATTACHMENT 2  
STIM REPORT

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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	4/27/2024	90.5	8,392	6,470	3,577	192,520	6,068	0
2	4/27/2024	85.5	8,343	5,645	4,298	363,740	9,307	0
3	4/27/2024	86.4	7,870	5,033	4,813	368,340	9,040	0
4	4/28/2024	88.4	8,313	5,189	4,898	368,420	8,846	0
5	4/28/2024	88.1	8,348	5,424	4,352	367,480	8,731	0
6	4/28/2024	83.2	8,808	4,408	4,566	368,260	8,592	0
7	4/29/2024	89.1	9,060	6,375	4,469	361,680	8,291	0
8	4/29/2024	87.6	8,505	5,064	4,850	368,040	8,393	0
9	4/29/2024	89.1	9,086	6,321	4,380	366,600	8,256	0
10	4/30/2024	87	7,873	5,229	4,393	367,480	8,374	0
11	4/30/2024	93.8	9,084	5,091	4,598	365,340	8,546	0
12	4/30/2024	95.1	9,360	5,811	4,355	367,340	8,190	0
13	4/30/2024	95.7	9,282	4,746	4,588	363,480	8,089	0
14	5/1/2024	89.9	8,344	6,088	4,897	366,520	8,091	0
15	5/1/2024	95	8,717	5,006	4,898	367,980	8,002	0
16	5/1/2024	95.9	8,895	4,730	4,121	368,040	7,910	0
17	5/1/2024	91.9	8,690	4,900	4,255	373,580	7,911	0
18	5/2/2024	95.7	8,720	5,708	4,651	367,620	7,803	0
19	5/2/2024	96.2	9,150	5,306	4,525	369,220	7,980	0
20	5/2/2024	92.8	8,675	4,826	4,522	367,880	7,882	0
21	5/2/2024	93.3	8,694	4,623	4,537	363,960	7,789	0
22	5/3/2024	89.5	8,283	4,402	4,397	368,160	7,734	0
23	5/3/2024	95.6	8,376	3,541	5,300	367,700	7,980	0
24	5/3/2024	91.4	8,770	5,942	4,275	369,940	7,980	0
25	5/3/2024	95.7	8,334	4,318	4,729	372,921	8,012	0
26	5/3/2024	95.1	8,663	4,626	4,251	364,880	7,821	0
27	5/4/2024	95.1	8,329	4,645	4,397	367,840	7,866	0
28	5/4/2024	85.8	7,385	5,902	4,456	368,440	7,922	0
29	5/4/2024	95.2	8,544	5,007	4,345	367,980	7,972	0
30	5/4/2024	87.7	7,116	4,410	4,511	369,880	7,856	0
31	5/5/2024	86.7	7,709	4,178	4,415	365,680	7,790	0
32	5/5/2024	95.1	8,533	4,865	4,482	368,680	8,097	0
33	5/5/2024	96.8	8,190	4,357	4,688	364,260	8,160	0
34	5/6/2024	90	8,445	5,935	4,322	370,440	7,803	0
35	5/6/2024	94.4	8,404	4,840	4,512	366,920	7,815	0
36	5/6/2024	86.8	7,742	4,790	4,785	367,860	7,927	0
37	5/7/2024	86.7	7,780	4,082	5,134	368,280	7,770	0
38	5/7/2024	77.9	6,987	4,276	4,425	369,080	7,788	0
39	5/7/2024	95.2	8,135	4,502	3,910	370,500	8,029	0
40	5/7/2024	94.4	8,026	4,475	5,001	367,840	7,720	0
41	5/8/2024	91.2	7,337	4,159	5,652	368,200	7,805	0
42	5/8/2024	95.1	7,905	5,901	5,147	367,080	7,966	0
43	5/8/2024	96	7,823	4,127	5,217	368,880	7,886	0
44	5/9/2024	96.7	7,420	4,521	4,963	368,180	7,922	0
45	5/9/2024	88.7	7,176	4,250	5,196	368,270	7,869	0
46	5/9/2024	96	7,611	4,391	5,617	365,300	7,827	0
47	5/10/2024	92.8	7,476	4,231	5,196	368,440	7,753	0
48	5/10/2024	96	8,285	5,716	5,014	368,800	7,890	0
49	5/10/2024	96	7,714	5,739	4,862	368,300	7,840	0
50	5/11/2024	90.3	7,177	5,781	5,374	368,260	7,631	0
51	5/11/2024	97.3	7,391	4,457	4,924	367,080	7,762	0
52	5/11/2024	98	7,597	5,798	4,985	365,660	7,753	0
53	5/12/2024	90	7,209	5,714	5,289	368,220	7,576	0

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BETTY SCHAFER MSH 205H  
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	5/12/2024	91.1	7,170	4,876	5,034	367,780	7,882	0
55	5/12/2024	96	7,538	3,945	5,234	368,080	7,684	0
56	5/13/2024	96	7,580	4,509	5,394	365,500	7,694	0
57	5/13/2024	92.4	6,692	4,544	5,203	367,520	7,666	0
58	5/13/2024	92.8	6,683	4,343	4,589	368,140	7,597	0
59	5/13/2024	74.4	5,573	3,375	5,403	343,940	8,692	0
60	5/14/2024	91.5	6,325	5,165	5,068	368,680	7,512	0
61	5/14/2024	91.5	6,865	5,573	4,812	362,080	7,493	0
62	5/14/2024	96	7,306	4,493	5,168	369,620	7,663	0
63	5/15/2024	92.4	6,786	5,624	5,064	364,760	7,608	0
64	5/15/2024	97	6,948	5,882	5,236	368,120	7,629	0
65	5/16/2024	90	6,549	3,816	5,174	367,380	7,485	0
66	5/16/2024	96	6,804	5,891	4,856	370,940	7,735	0
67	5/16/2024	97.8	6,702	4,141	4,954	368,460	7,521	0
68	5/16/2024	91	6,590	4,287	5,047	366,520	7,493	0
69	5/17/2024	96	7,248	6,028	5,381	366,900	7,545	0
70	5/17/2024	97.2	6,853	4,761	5,420	370,500	7,553	0
71	5/17/2024	77.7	6,608	6,211	5,317	366,380	10,279	0
72	5/18/2024	95.1	7,338	5,004	4,941	371,560	7,746	0
73	5/18/2024	97.3	6,600	4,674	5,033	363,600	7,489	0

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Well Name: **BETTY SCHAFER MSH 205H**

**47051025070000**

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	280.00	280.00	
Top of Salt Water	802.00	802.00	NA	NA	
Pittsburgh Coal	355.00	355.00	364.00	364.00	
Pottsville (ss)	462.00	462.00	599.00	599.00	
Raven Cliff (ss)	812.00	811.00	1163.00	1157.00	
Big Injun (ss)	1493.00	1473.00	1917.00	1873.00	
Berea (siltstone)	1917.00	1873.00	1964.00	1917.00	
Rhinestreet (shale)	5618.00	5365.00	5949.00	5670.00	
Cashaqua (shale)	5949.00	5670.00	6013.00	5723.00	
Middlesex (shale)	6013.00	5723.00	6140.00	5819.00	
Burket (shale)	6140.00	5819.00	6170.00	5840.00	
Tully (ls)	6170.00	5840.00	6221.00	5872.00	
Mahantango (shale)	6221.00	5872.00	6431.00	5973.00	
Marcellus (shale)	6431.00	5973.00	NA	NA	GAS

## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/27/2024
Job End Date:	05/18/2024
State:	West Virginia
County:	Marshall
API Number:	47-051-02507-00-00
Operator Name:	Southwestern Energy
Well Name and Number:	BETTY SCHAFER MSH 205H
Latitude:	39.990916
Longitude:	-80.635531
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6012
Total Base Water Volume (gal)*:	24279468
Total Base Non Water Volume:	85927



Water Source	Percent
Surface Water, < 1000TDS	86.80%
Produced Water	13.20%

### 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					
Exceletrate LX-15	SWN Well Services	Friction Reducer					
FE-1A	SWN Well Services	Iron Control					
HAI-501	SWN Well Services	Corrosion Inhibitor					
HCL	SWN Well Services	Solvent					
MC MX 2-2822	SWN Well Services	Scale Inhibitor					RECEIVED Office of Oil and Gas JUL 16 2024
Sand	SWN Well Services	Proppant					WV Department of Environmental Protection
Tolicide 4Frac	SWN Well	Biocide					

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Services							
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	88.31296	
			Crystalline silica, quartz	14808-60-7	100.00000	11.57090	
			Complex Amine Compound	proprietary	50.00000	0.03723	
			Hydrochloric acid	7647-01-0	15.00000	0.03660	
			Hydrotreated light petroleum distillate	64742-47-8	25.00000	0.01861	
			Tetrakis (hydroxymethyl) phosphonium sulfate	55566-30-8	45.00000	0.00469	
			Surfactant	proprietary	5.00000	0.00372	
			Acetic anhydride	108-24-7	65.00000	0.00080	
			Quaternary Ammonium Compounds	68424-85-1	8.00000	0.00078	
			Ethoxylated alcohols	proprietary	5.00000	0.00076	
			Methanol	67-56-1	60.00000	0.00074	
			Alkoxylated polyhydric alcohol	proprietary	1.00000	0.00074	
			Polyethylenepoly-ethoxylated phosphonomethylated sodiumsalts	70900-16-2	20.00000	0.00050	
			Acetic acid	64-19-7	35.00000	0.00043	
			Ethanol	64-17-5	3.00000	0.00026	
			Sodium chloride	7647-14-5	5.00000	0.00012	
			Modified thiourea polymer	proprietary	30.00000	0.00012	
			Propargyl alcohol	107-19-7	5.00000	0.00002	

\* 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%

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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**State of West Virginia  
Department of Environmental Protection  
Office of Oil and Gas**

Well Operator's Report of  
Initial Gas-Oil Ratio

Well Operator SWN PRODUCTION COMPANY LLC Designated Agent \_\_\_\_\_  
Address PO BOX 12359 Address \_\_\_\_\_  
SPRING, TX 77391-2359 \_\_\_\_\_  
\_\_\_\_\_

Geological Target Formation: MARCELLUS Depth <sup>6,011' TVD / 6,658' MD</sup> \_\_\_\_\_ feet  
Perforation Interval 6,659' / 21,872' feet

Guidelines for testing:

1. A minimum of gas vented or flared.
2. A 24 hour pre-flow into pipelines or tanks.
3. Uniform producing rate during the 24 hour test per test period.
4. Measurement standards as for Form WR-39, "Report of Annual Production" (see 35CSR4-15)
5. Separate Form WR-36 for each producing formation in a multiple completion.

**TEST DATA**

Start of Test Date <b>06/29/2024</b>	Time <b>9:00 AM</b>	End of Test Date <b>06/30/2024</b>	Time <b>9:00 AM</b>	Duration of Test <b>24 Hours</b>
Tubing Pressure <b>1070</b>	Casing Pressure <b>1946</b>	Separator Pressure <b>329 psi</b>	Separator Temperature <b>90</b>	
Oil Production During Test <b>1260</b>	Gas Production During Test <b>12921</b>	Water Production During Test <b>1110</b>	105,000 PPM Chlorides -Salinity	
Oil Gravity <b>60</b>	Producing Method (flowing, pumping, gas lift etc.) <b>Free Flowing Up Tubing</b>			

**GAS PRODUCTION**

Measurement Method Flange Tap <input checked="" type="checkbox"/> Pipe Tap <input type="checkbox"/> L-10 <input type="checkbox"/>		Positive Choke <input checked="" type="checkbox"/>
		Positive flow prover <input type="checkbox"/>
Orifice diameter <b>3"</b>	Pipe Diameter (inside) <b>3"</b>	Nominal Choke Size inches <b>128/64</b>
Differential Pressure range <b>315-400 psi</b>	Max. Static pressure range <b>334 psi</b>	Prover and Orifice diameter - inches <b>3"</b>
Differential <b>370 psi</b>	Static <b>329 psi</b>	
Gas Gravity (Air = 1.0) Measured <b>0</b> Estimated <b>0.75</b>	Flowing Temperature <b>90</b>	Gas Temperature <b>90</b>
24 Hour Coefficient <b>1</b>	24 Hour coefficient pressure PSIA <b>14.65</b>	

**TEST RESULTS**

Daily Oil <b>1260</b>	Daily Water <b>1110</b>	Daily Gas <b>12921</b>	Gas-Oil Ratio <b>10.25</b>
--------------------------	----------------------------	---------------------------	-------------------------------

RECEIVED  
Office of Oil and Gas

**JUL 16 2024**

WV Department of  
Environmental Protection

*Carol A. Pruitt*  
\_\_\_\_\_  
Well Operator  
BY CAROL A. PRUITT

ITS: DESIGNATED REPRESENTATIVE

**10/18/2024**

Latitude: 40°00'00"

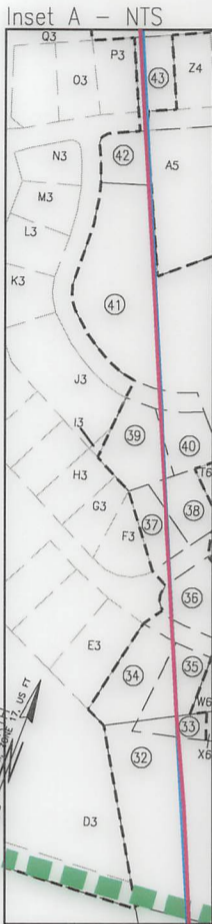
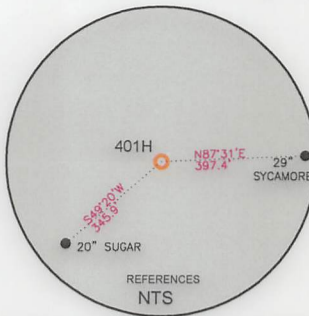
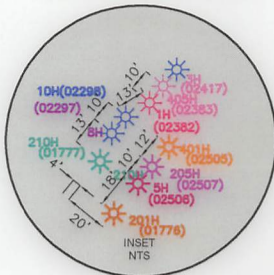
SURFACE HOLE 2,966'

Latitude: 40°05'00"

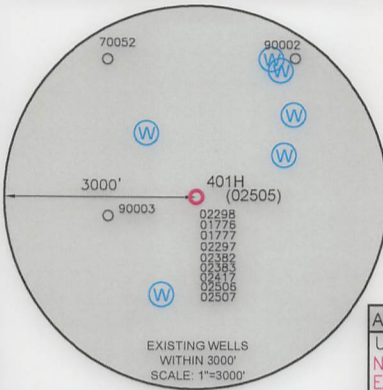
BOTTOM HOLE 3,380'

# JACKSON SURVEYING INC.

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



LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 72°46'09" W	814.22'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	S 58°49'48" E	1,694.42'	SHL TO LANDMARK	FD. 5/8" REBAR
L4	N 23°45'51" W	94.99'	AZL1 TO AZL2	
L5	N 23°03'42" W	94.99'	AZL3 TO AZL4	
L6	N 26°13'11" W	94.99'	AZL5 TO AZL6	
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 67°12'19" W	2,869.62'	3,406.32'	SHL TO LPL



<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,807.663 EASTING: 531,110.560
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,474.763 EASTING: 530,305.359
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,220.035 EASTING: 529,160.531
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,229.304 EASTING: 529,156.602
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,430,718.730 EASTING: 528,515.259
<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,430,741.974 EASTING: 528,504.847
<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,074.316 EASTING: 528,350.106
<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,092.108 EASTING: 528,342.047
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,217.970 EASTING: 527,405.483

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,807.471 EASTING: 531,110.370
<b>LANDING POINT LOCATION (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,468.599 EASTING: 530,304.020
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,220.010 EASTING: 529,160.683
<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,246.510 EASTING: 529,149.015
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,430,712.488 EASTING: 528,516.225

<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,430,739.127 EASTING: 528,504.883
<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,085.753 EASTING: 528,355.086
<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,111.728 EASTING: 528,342.293
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,433,219.805 EASTING: 527,402.742

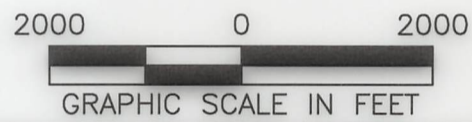
### WELL RESTRICTIONS

- 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.
- 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

**SWN** Production Company™

BETTY SCHAFER MSH		
OPERATOR'S WELL #: 401H		
API WELL #:	47	051 02505
	STATE	COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

WVDEP  
OFFICE OF OIL & GAS  
601 57TH STREET  
CHARLESTON, WV 25034

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

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

WATERSHED: WHEELING CREEK (HUC-10) ELEVATION: 848.7'

DISTRICT: SAND HILL COUNTY: MARSHALL QUADRANGLE: MOUNDSVILLE, WV

SURFACE OWNER: ROY A. SCHAFER JR. & EDWARD J. SCHAFER ACREAGE: ±205.06

OIL & GAS ROYALTY OWNER: ROY A. SCHAFER JR. & EDWARD J. SCHAFER ACREAGE: ±205.06

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

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

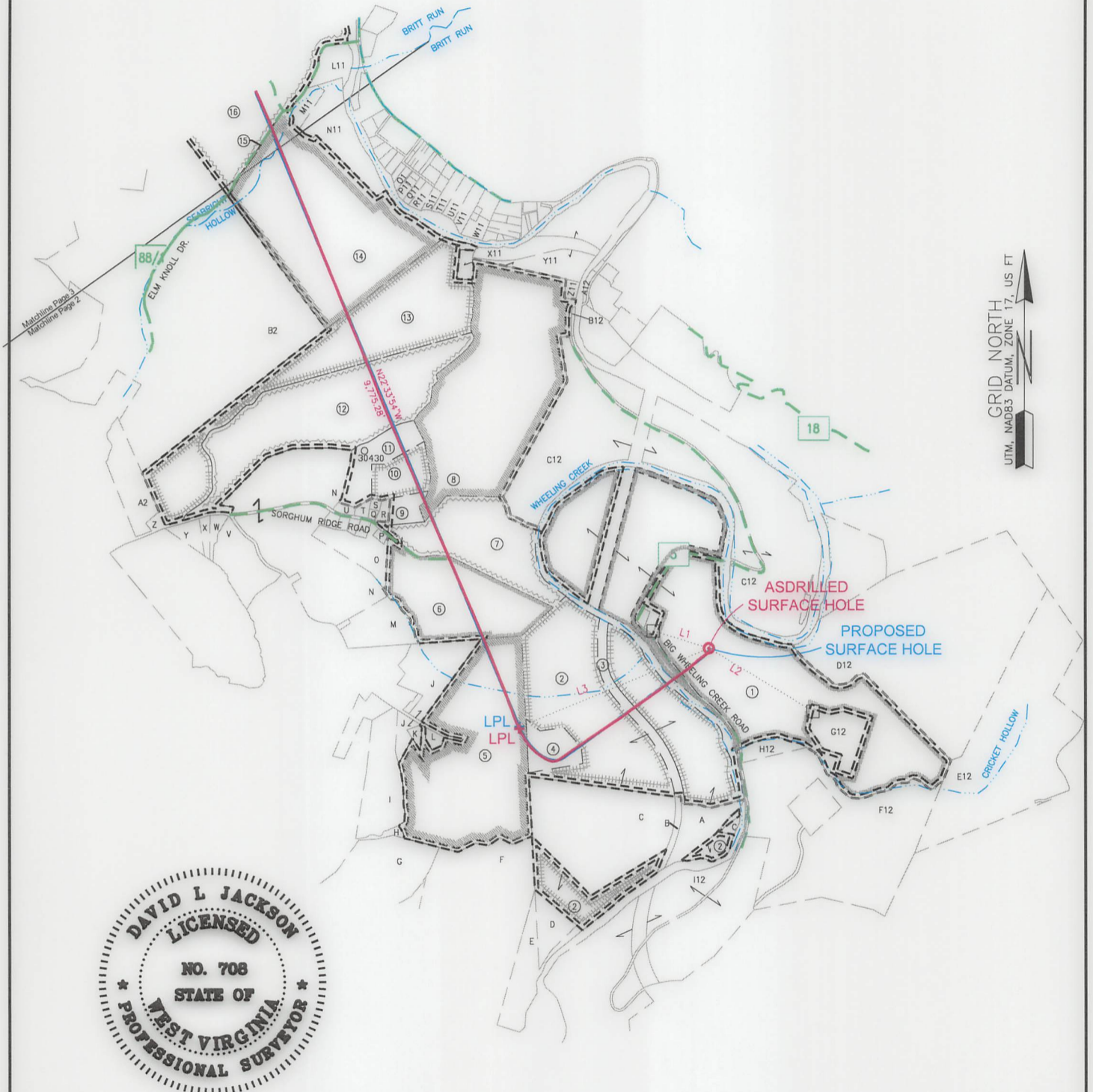
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,995' TMD 31,266' TMD

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

<b>LEGEND:</b>	— SURVEYED BOUNDARY	— DRILLING UNIT	— LEASE BOUNDARY	— ASDRILLED PATH	— PROPOSED PATH
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	☼ EXISTING / PRODUCING WELLHEAD	LPL ✕ LANDING POINT LOCATION	⊙ EXISTING WATER WELL	⊙ EXISTING SPRING	
<b>REVISIONS:</b>		<b>DATE:</b> 05-06-2024			
		<b>DRAWN BY:</b> J. COCKERHAM			
		<b>SCALE:</b> 1" = 2000'			
		<b>DRAWING NO:</b>			
		<b>WELL LOCATION PLAT</b>			



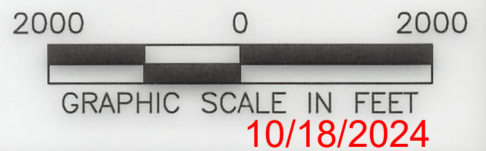
JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarksburg, WV 26302  
 304-623-5851



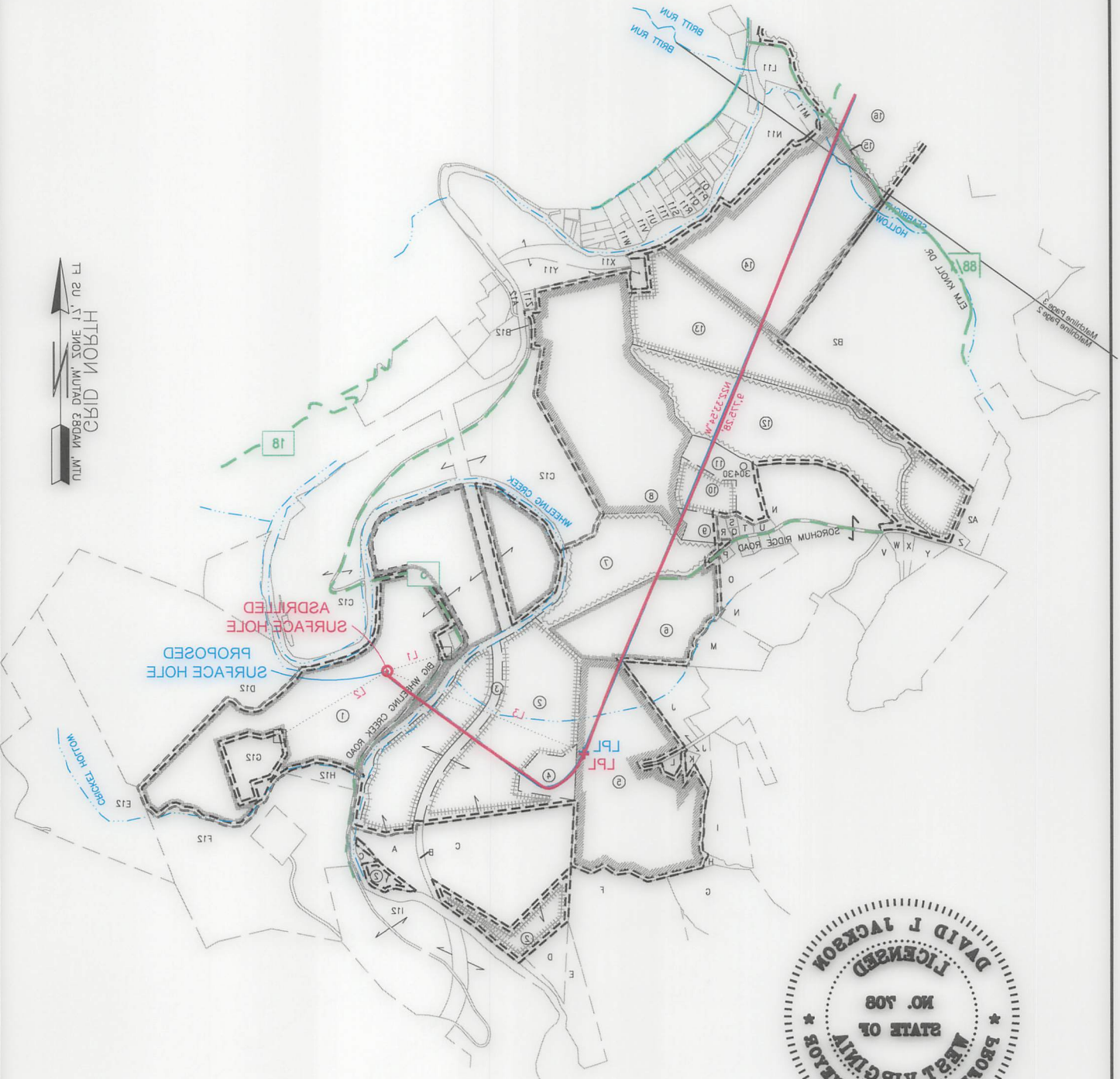
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

P.S. 708

*David L Jackson*



REVISIONS:	COMPANY:		
		OPERATOR'S	BETTY SCHAFER MSH
		WELL #:	401H
		DISTRICT:	SAND HILL
		COUNTY:	MARSHALL
		STATE:	WV
		API #	47-051-02505
		DATE:	05-06-2024
		DRAWN BY:	J. COCKERHAM
		SCALE:	1" = 2000'
		DRAWING NO:	
		WELL LOCATION	PLAT 2



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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.

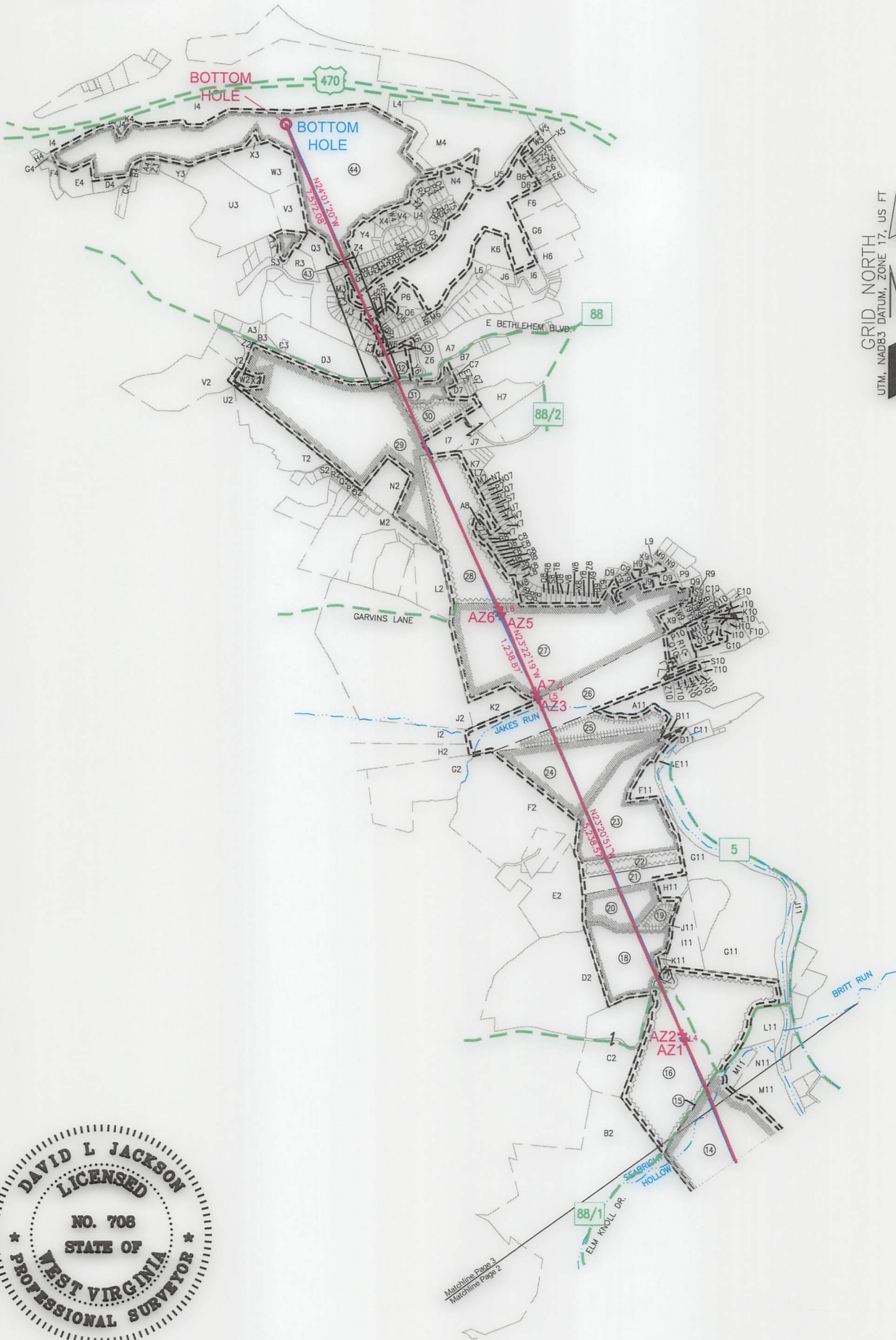
*David L. Jackson*

10/18/2024

DATE: 02-08-2024		DRAWN BY: J. COCKERHAM		SCALE: 1" = 2000'		DRAWING NO:		WELL LOCATION PLAT 2	
API # 47-021-02502		STATE: WV		COUNTY: MARSHALL		DISTRICT: SAND HILL		OPERATOR'S: BETTY SCHAFER MSH	
COMPANY: SWN Production Company, LLC		SWN Production Company, LLC		SWN		REVISIONS:			



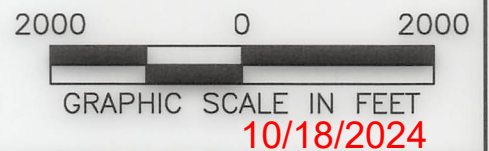
JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarksburg, WV 26302  
 304-623-5851





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

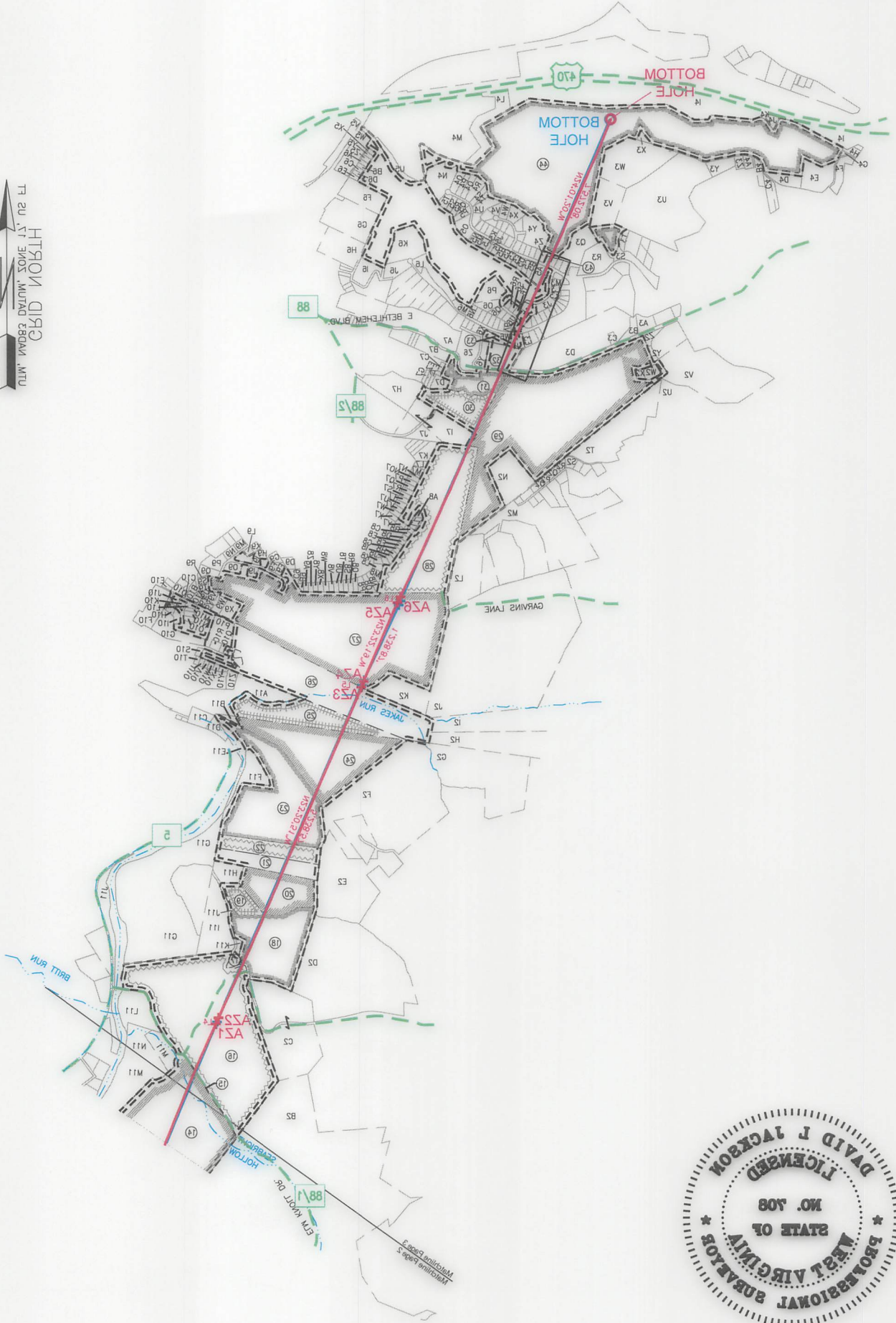
*David L Jackson*



REVISIONS:	COMPANY:		 	
	OPERATOR'S	BETTY SCHAFER MSH	API #	DATE: 05-06-2024
	WELL #:	401H	47-051-02505	DRAWN BY: J. COCKERHAM
	DISTRICT:	SAND HILL	COUNTY:	MARSHALL
			STATE:	WV
				SCALE: 1" = 2000'
				DRAWING NO:
				WELL LOCATION PLAT 3

JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarkspurg, WV 26302  
 304-623-2851

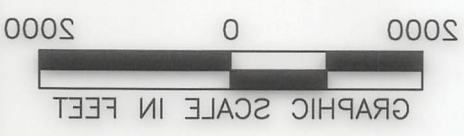
GRID NORTH  
 1" = 1000'



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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.

*David L. Jackson*

10/18/2024



WELL LOCATION PLAT 3		DRAWING NO.:		DATE: 02-08-2024	
SCALE: 1" = 2000'		DRAWN BY: J. COCKERHAM		APL # 47-021-02503	
WELL #:		OPERATOR'S:		COMPANY:	
DISTRICT: SAND HILL		BETTY SCHAFER MSH		Production Company, LLC	
COUNTY: MARSHALL		401H		Production Company, LLC	
STATE: WV				Production Company, LLC	



**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	SCHAFER ROY A JR & SCHAFER EDWARD J (S/R)	12-9-22
	SURFACE OWNER (S)	TAX PARCEL
2	HOGG THOMAS G & DONN W ET AL (S)	13-8-3
3	HOGG THOMAS G & DONN W ET AL (S)	13-8-4
4	KINNEER VERNON A JR ET AL (S)	13-8-5
5	KINNEER VERNON A JR ET AL (S)	13-8-6
6	BLACK BONNIE J TRUST (S)	13-8-2
7	HART JOHN J & RENEE A (S)	13-8-2.1
8	HART JOHN J & RENEE A (S)	13-3-11
9	BLACK TERRY J (S)	13-3-12.7
10	LILLEY DEANNA BLACK & MICHAEL (S)	13-3-12.11
11	BLACK DONNA M (S)	13-3-12.12
12	BONACCI FRANK A (S)	13-3-5.5
13	BONACCI BRIAN F (S)	13-3-5.1
14	COULLING LOUISE S (S)	13-3-5
15	COULLING LOUISE S ET AL (S)	13-3-5.3
16	WHITE HORSE FARM LLC (S)	13-3-2
17	FOLMAR EDITH A TRUST (S)	13-3-1
18	GIBSON DAVID T ET UX (S)	13-2-26
19	GIBSON WILLIAM E (S)	13-2-24
20	KLUG PEGGY A (S)	13-2-27
21	GIBSON WILLIAM A (S)	13-2-28.1
22	GIBSON WILLIAM E (S)	13-2-28
23	NORRIS BRANDON C & CARLIE (S)	13-2-21.1
24	LONG RICHARD E ET UX (S)	13-2-20
25	SCHANE THOMAS L & SANDREA M (S)	13-2-19
26	PERONI CONSTRUCTION INC (S)	10-W95-112
27	C J RYAN INC (S)	10-W95-109
28	CARROLL PATRICK J & JEAN A (S)	10-W94-1.1
29	GALE JAMES ASSET MGMT LLC (S)	1-RB2-24.1
30	TEAM SLEDD LLC (S)	10-W90-46
31	BOARD OF COMM OHIO CO (S)	10-W90-52
32	MEC ENTERPRISES INC (S)	10-W90A-1
33	REYNOLDS DENNIS A & ELIZABETH D (S)	10-W90A-1.1
34	REYNOLDS DENNIS A & ELIZABETH D (S)	1-RB2J-25
35	KUTROVAC JENNIFER A & GEORGE N (S)	1-RB2J-24
36	POTTER FRANKLIN L & P A (S)	1-RB2J-33
37	KLEEH SALLY J (S)	1-RB2J-41
38	POTTS MICHAEL A & ANDREAS JENNY M (S)	1-RB2J-40
39	BOURGO JOSEPH R (S)	1-RB2J-61.3
40	BOURGO JOSEPH R (S)	1-RB2J-61.4
41	WILSON B E & S K (S)	10-W80-1.4
42	CARNEY MICHAEL A & CYNTHIA TOD (S)	1-RB2J-96
43	KOWALSKI CHESTER J & TAMA A (S)	1-RB2J-132
44	WHEELING PROPERTIES CO ADDI (S)	1-RB2-20

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
I2	SEIDLER PATRICIA L IRREVOCABLE TRUST	13-2-14.7
J2	RAHBAR AHMAD CREDIT SHELTER TRUST	13-2-102
K2	RENFORTH GEORGE III	13-2-16.2
L2	POTTS TAYLOR & POTTS KRISTIN	1-RB2-31.9
M2	POTTS JOHN W & ROSE A	1-RB2-31.2
N2	WHEELING ANTENNA CO C/O COMCAST CORPORATION	1-RB2-26
O2	DUDEK CHRISTOPHER T & GRISOLANO MEGAN E	1-RB2M-55
P2	DUDEK CHRISTOPHER T & GRISOLANO MEGAN E	1-RB2M-43
Q2	KURKO BRIAN S	1-RB2M-42
R2	BRANNAN MARK & DONNA K	1-RB2M-40
S2	HAHLE ELEANOR T (LE); GUY ROBERT D; GUY CHERYL H	1-RB2M-31.11
T2	STRAUB JOSEPH H EST; MARGARET STRAUB	1-RB2-31
U2	CONRAD JOSHUA D & TRISHA J	1-RB2-27.3
V2	CONRAD JOSHUA D & TRISHA J	1-RB2-24
W2	DLESK RICHARD J SR	1-RB2-24.2
X2	DLESK RICHARD J SR	1-RB2-24.3
Y2	DLESK ROSALIE J	1-RB2-34.4
Z2	DLESK ROSALIE J	1-RB2-34.3
A3	APEX SELF-STORAGE LLC	1-RB2-21.2
B3	APEX SELF-STORAGE LLC	1-RB2-21.4
C3	CRAIN VICTORIA P	1-RB2-22
D3	APEX SELF-STORAGE LLC	1-RB2-37
E3	MATTECCI MARK A JR	1-RB2J-23
F3	KLEEH SALLY J	1-RB2J-42
G3	HALL BETTY JO IRREVOC TRUST	1-RB2J-43
H3	BOURGO JOSEPH R	1-RB2J-44
I3	BOURGO JOSEPH R	1-RB2J-103.1
J3	WILSON BRUCE E & SONDR A K	1-RB2J-101
K3	ASHBROOK BRIAN K & DEBORAH A	1-RB2J-100
L3	WEISHAR JOHN J & L	1-RB2J-99
M3	TRUAX SUSAN E & DAVID B JR	1-RB2J-98
N3	TRUAX SUSAN E & DAVID B JR	1-RB2J-97
O3	BAUERLE RALPH & VICKI L	1-RB2J-20.8
P3	SEALS CARLY R & ANDREW J SR	1-RB2J-131
Q3	GHAPHERY BRIAN A; GHAPHERY CHRISTINA W	1-RB2J-20.5
R3	NERNBERG A RICHARD TRUST 1/2 INT & NERNBERG SUSAN L 1/2 INT	1-RB2J-146
S3	VILLAGE OF BETHLEHEM	1-RB2-17.4
T3	JOSEPH MICHAEL A & V J	1-RB2D-35
U3	BLEIFUS LEO A JR	1-RB2-18.1
V3	WHEELING PROPERTIES CO ADDI	1-RB2-18
W3	TAYLOR JOSEPH WILLIAM	1-RB2-19
X3	TAYLOR JOSEPH WILLIAM	1-RB1-20
Y3	BLEIFUS LEO	1-RB2C-109
Z3	BLEIFUS LEO A JR	1-RB2C-108.1
A4	SULEK DONALD L & L	1-RB2C-107
B4	KLOSS ROBERT A & DONNA J	1-RB2C-101
C4	CUCHTA BEAU	1-RB2C-100
D4	TAYLOR JOSEPH WILLIAM	1-RB2C-95
E4	BOARD OF EDUCATION	1-RB2C-94
F4	BETHLEHEM UNITED PRESBYTERIAN CHURCH TRUSTEES	1-RB2C-36
G4	PRESBYTERY OF WHEELING (SYNOD OF WV)	1-RB1Q-36
H4	SCHEHL MICHAEL A & CHRISTINA L	1-RB1Q-39
I4	WV DEPT OF TRANSPORTATION	US RT 470
J4	DIERINGER SCOT S	1-RB1Q-107.1
K4	SASEEN MARK S & ALLISON M	1-RB1-18.1
L4	CITY OF WHEELING	10-W80-1.3
M4	CITY OF WHEELING	10-W80-1.1
N4	SWIGER JUSTIN A & STEPHANIE M	1-RB3-14
O4	MORRIS JAY R & TINA M	1-RB3-13
P4	RAMSEY BRYAN S & MICHELE A	1-RB3-7
Q4	BAYHA DEBORAH S	1-RB3-6
R4	RAMOS SCOTT B & RAMOS AMY D	1-RB3-5
S4	BAKER MARK J & DAYNA M	1-RB3-4.1
T4	WARMAN JAMES J & CARRIE REDD	1-RB3-4
U4	WARMAN JAMES J & CARRIE REDD	1-RB3-3
V4	CORNELL CHARLES D & LINDA J	1-RB2J-152
W4	POLSINELLI FRANK & POLSINELLI KIMBERLY A - TOD	1-RB2J-151
X4	BREIDING DORENE	1-RB2J-149
Y4	CHAMBERLAIN DONALD	1-RB2-20.4
Z4	TENNANT DORIS JEAN - TOD	1-RB2J-134
A5	CHEN SHUXIANG & ZHENG SUI	1-RB2J-111
B5	DIMMICK DANIEL S & SUSAN M	1-RB2J-113
C5	FORNEY RANDY L & REBECCA S	1-RB2J-114
D5	COTTON DEREK A	1-RB2J-115
E5	PARISI VINCENT J & N E	1-RB2J-116
F5	MATESIC CHERI L	1-RB2J-117
G5	JOHNSTON DAVID W & DIANA	1-RB2J-118
H5	BISHOP TIMOTHY R & STACY M	1-RB2J-119
I5	DUNLEY ROBERT WILLIAM II & SHERRI	1-RB2J-120
J5	DUNLEY ROBERT WILLIAM II & SHERRI	1-RB2J-121

10/18/2024

REVISIONS:	COMPANY:		
			
	OPERATOR'S	BETTY SCHAFER MSH	API #
	WELL #:	401H	47-051-02505
	DISTRICT:	SAND HILL	COUNTY:
			MARSHALL
			STATE:
			WV
			DATE: 05-06-2024
			DRAWN BY: J. COCKERHAM
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 4

TRACT	SURFACE OWNER (R)	TAX PARCEL
1	SCHAFER ROY JR & SCHAFER EDWARD J (2) (R)	13-3-25
2	HOGG THOMAS G & DONN W ET AL (2)	13-8-3
3	HOGG THOMAS G & DONN W ET AL (2)	13-8-4
4	KINNEER VERNON A JR ET AL (2)	13-8-2
5	KINNEER VERNON A JR ET AL (2)	13-8-6
6	BLACK BONNIE L TRUST (2)	13-8-2
7	HART JOHN I & RENEE A (2)	13-8-1
8	HART JOHN I & RENEE A (2)	13-3-11
9	BLACK TERRY L (2)	13-3-12.7
10	LILLEY DEANNA BLACK & MICHAEL (2)	13-3-12.11
11	BLACK DONNA M (2)	13-3-12.12
12	BONACCI FRANK A (2)	13-3-2.2
13	BONACCI BRIAN F (2)	13-3-2.1
14	COULING LOUISE (2)	13-3-2
15	COULING LOUISE (2) ET AL (2)	13-3-2.3
16	WHITE HORSE FARM LLC (2)	13-3-2
17	FOLMAR EDITH A TRUST (2)	13-3-1
18	GIBSON DAVID T ET UX (2)	13-3-26
19	GIBSON WILLIAM E (2)	13-3-24
20	KLUG PEGGY (2)	13-3-27
21	GIBSON WILLIAM A (2)	13-3-28.1
22	GIBSON WILLIAM E (2)	13-3-28
23	NORRIS BRANDON C & CARLEE (2)	13-3-21.1
24	LONG RICHARD E ET UX (2)	13-3-20
25	SCHANE THOMAS J & ANDREA J M M (2)	13-3-19
26	PERSONI CONSTRUCTION INC (2)	10-WA2-12
27	C I RYAN INC (2)	10-WA2-109
28	CARROLL PATRICK J & JEAN (2)	10-WA4-1
29	GALE JAMES ASSET MGMT LLC (2)	1-RB3-24.1
30	TEAM SLEDGE LLC (2)	10-WA0-46
31	BOARD OF COMM OHIO CO (2)	10-WA0-25
32	MCC ENTERPRISES INC (2)	10-WA0A-1
33	REYNOLDS DENNIS A & ELIZABETH D (2)	10-WA0A-1.1
34	REYNOLDS DENNIS A & ELIZABETH D (2)	1-RB3-25
35	KUTOVAC JENNIFER A & GEORGE N (2)	1-RB3-24
36	POTTER FRANKLIN J & P A (2)	1-RB3-33
37	KLEEN SALLY (2)	1-RB3-41
38	POTTS MICHAEL A & ANDREA JENNY M (2)	1-RB3-40
39	BORGO JOSEPH R (2)	1-RB3-61.3
40	BORGO JOSEPH R (2)	1-RB3-61.4
41	WILSON E & K (2)	10-WA0-4
42	CARNEY MICHAEL A & CYNTHIA TOD (2)	1-RB3-96
43	KOWALSKI CHESTER J & TAMM A (2)	1-RB3-132
44	WHEELING PROPERTIES CO ADDI (2)	1-RB3-50

TRACT	SURFACE OWNER	TAX PARCEL
A	OHIO COUNTY COAL RESOURCES INC	13-8-3.2
B	OHIO COUNTY COAL RESOURCES INC	13-8-4.1
C	CONSOLIDATION COAL COMPANY	12-10-1.3
D	DEBOLT JANICE	13-9-1
E	OHIO COUNTY COAL RESOURCES INC	13-8-3.1
F	CUNNINGHAM GEORGE A	13-9-3
G	ROCKY PEARL FARM LLC	13-9-6
H	CONNOR AMBER D & HANEY DAVID JR	13-8-12
I	KINNEER JAMIE ET UX	13-8-7.9
J	KINNEER VERNON A JR ET AL	13-8-7
K	CONSOLIDATION COAL COMPANY	13-8-6.1
L	MURRAY ENERGY CO LAND DEPT	13-8-6.2
M	KINNEER JAMIE ET UX	13-8-6.2
N	ROUSH MATTHEW G	13-8-34
O	LOY EUGENE EST ET AL	13-8-1
P	BLACK BONNIE L TRUST	13-3-12
Q	BLACK BONNIE L TRUST	13-3-12.5
R	LILLEY DEANNA KAY BLACK ET VIR	13-3-12.6
S	BLACK TERRY L	13-3-12.8
T	LILLEY DEANNA K & MICHAEL C	13-3-12.3
U	BLACK MILRED LOUISE - TOD	13-3-12.2
V	BLACK DONNA M	13-3-12.1
W	FUNK CHARLES D ET UX	13-8-32
X	KOSTETZCKY JOSEPH J JR & CAROLYN	13-8-31.1
Y	SOUTH CHRISTOPHER C	13-8-31
Z	NARRISH KEVIN	13-8-30
A1	SAMPSON EDITH VIRGINIA EST	13-7-19
A2	ALEXANDER LORRAINE	13-7-18
B1	COULING LOUISE (2) ET AL	13-3-3
B2	ISER RONALD L ET UX	13-3-88
D1	WILLIS CHARLES ROBERT ET AL	13-3-29
E1	LONG RICHARD E ET UX	13-3-34
E2	LONG RICHARD E ET UX	13-3-32
G1	LAUTER FRANK ET AL	13-3-36
H1	SEIDLER E DALE JR	13-3-14.9

10/18/2024

TRACT	SURFACE OWNER	TAX PARCEL
12	DUNLEY ROBERT WILLIAM II & SHERA	1-RB3-121
15	DUNLEY ROBERT WILLIAM II & SHERA	1-RB3-120
H1	BISHOP TIMOTHY R & STACY M	1-RB3-119
G2	JOHNSON DAVID W & DIANA	1-RB3-118
F2	MATEJIC CHERI L	1-RB3-117
E2	PARISI VINCENT L & N E	1-RB3-116
D2	COTTON DEREK A	1-RB3-112
C2	FORNEY RANDY L & REBECCA S	1-RB3-114
B2	DIMMICK DANIEL S & SUSAN M	1-RB3-113
A2	CHEH SHUXIAN & ZHENG SHI	1-RB3-111
Z4	TENANT DORIS JEAN - TOD	1-RB3-134
Y4	CHAMBERLAIN DONALD	1-RB3-20.4
X4	BREIDING DORINE	1-RB3-149
W4	POJINELLI FRANK & POJINELLI KIMBERLY A - TOD	1-RB3-121
V4	CORNELL CHARLES D & LINDA L	1-RB3-125
U4	WARMAN JAMES J & CARRIE REDD	1-RB3-3
T4	WARMAN JAMES J & CARRIE REDD	1-RB3-4
S4	BAKER MARK L & DAVIN M	1-RB3-4.1
R4	RAMOS SCOTT B & RAMOS AMY D	1-RB3-2
Q4	BAHA DEBORAH S	1-RB3-6
P4	RAMSEY BRYAN S & MICHELE A	1-RB3-7
O4	MORRIS JAY R & TINA M	1-RB3-13
N4	SWIGER JUSTIN A & STEPHANIE M	1-RB3-14
M4	CITY OF WHEELING	10-WA0-1.1
L4	CITY OF WHEELING	10-WA0-1.3
K4	SAZEEH MARK S & ALLISON M	1-RB1-18.1
J4	DIERINGER SCOT S	1-RB10-107.1
I4	WV DEPT OF TRANSPORTATION	US RT 470
H4	SCHEHL MICHAEL A & CHRISTINA J	1-RB10-36
G4	PRESBYTERY OF WHEELING (SYNOD OF WV)	1-RB10-36
F4	BETHLEHEM UNITED PRESBYTERIAN CHURCH TRUSTEES	1-RB3-36
E4	BOARD OF EDUCATION	1-RB3-94
D4	TAYLOR JOSEPH WILLIAM	1-RB3C-100
C4	CUCHTA BEAU	1-RB3C-101
B4	KLOSS ROBERT A & DONNA J	1-RB3C-107
A4	SULEK DONALD L & J	1-RB3C-107.1
Z3	BLEIUS LEO JR	1-RB3C-108.1
X3	TAYLOR JOSEPH WILLIAM	1-RB3-50
W3	TAYLOR JOSEPH WILLIAM	1-RB3-19
V3	WHEELING PROPERTIES CO ADDI	1-RB3-18
U3	BLEIUS LEO JR	1-RB3-18.1
T3	JOSEPH MICHAEL A & V J	1-RB3-25
S3	VILLAGE OF BETHLEHEM	1-RB3-17.4
R3	& NERIBERG SUSAN L V2 INT	1-RB3-146
Q3	NERIBERG SUSAN L V2 INT	1-RB3-20.2
P3	SEALS CARLY R & ANDREW S	1-RB3-131
O3	BAUERLE RALPH & VICKI L	1-RB3-20.8
N3	TRUAX SUSAN E & DAVID B JR	1-RB3-27
M3	TRUAX SUSAN E & DAVID B JR	1-RB3-98
L3	WEISHAR JOHN I & J	1-RB3-99
K3	ASHBROOK BRIAN K & DEBORAH A	1-RB3-100
J3	WILSON BRUCE E & SONDRA K	1-RB3-101
I3	BORGO JOSEPH R	1-RB3-103.1
H3	BORGO JOSEPH R	1-RB3-44
G3	HALL BETTY JO IRENECO TRUST	1-RB3-43
F3	KLEEN SALLY L	1-RB3-42
E3	MATTUCCI MARK A JR	1-RB3-23
D3	APK SELF-STORAGE LLC	1-RB3-27
C3	CRAIN VICTORIA P	1-RB3-22
B3	APK SELF-STORAGE LLC	1-RB3-21.4
A3	APK SELF-STORAGE LLC	1-RB3-21.2
Z2	DLEK ROSALIE I	1-RB3-24.3
Y2	DLEK ROSALIE I	1-RB3-24.4
X2	DLEK RICHARD J SR	1-RB3-24.3
W2	DLEK RICHARD J SR	1-RB3-24.2
V2	CONRAD JOSEPH D & TRISHA L	1-RB3-24
U2	CONRAD JOSEPH D & TRISHA L	1-RB3-23.3
T2	STRAUB JOSEPH H EST; MARGARET STRAUB	1-RB3-21
S2	HANLE ELEANOR T (LE); GUY ROBERT D; GUY CHERYL H	1-RB3M-31.11
R2	BRANNAN MARK & DONNA K	1-RB3M-40
Q2	KURKO BRIAN S	1-RB3M-42
P2	DUDEK CHRISTOPHER T & GRIOLANO MEGAN E	1-RB3M-43
O2	DUDEK CHRISTOPHER T & GRIOLANO MEGAN E	1-RB3M-22
N2	WHEELING ANTENNA CO (C) CORPORATION	1-RB3-26
M2	POTTS JOHN W & ROSE A	1-RB3-21.2
L2	POTTS TAYLOR & POTTS KRISTIN	1-RB3-21.9
K2	RENFORTH GEORGE III	13-5-16.2
J2	RAHBAH AHMAD CREDIT SHELTER TRUST	13-5-102
I2	SEIDLER PATRICIA L IRENEVOCABLE TRUST	13-5-14.7



WELL LOCATION PLAT 4	DRAWING NO:	SCALE: 1/4"	DRAWN BY: J. COCKERHAM	DATE: 02-08-2024
SAND HILL	DISTRICT:	COUNTY: MARSHALL	STATE: WV	API #: 47-021-02502
	WELL #:	401H	OPERATOR'S: BETTY SCHAFER MSH	COMPANY: SWN Production Company, LLC
	REVISIONS:			

**JACKSON SURVEYING  
INC.**

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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
M5	BELTRONDO ASHLEY L & MATTHEW D	1-RB2J-123
N5	BELTRONDO ASHLEY L & MATTHEW D	1-RB2J-124
O5	VERNON ERIC G & JILL D - TOD	1-RB3-12
P5	MIEHLE FAMILY REVOCABLE LIVING TRUST	1-RB3-11
Q5	STERLING TERRY A & KAREN L	1-RB3-10
R5	GARLOCH COURTNEY M	1-RB3-9
S5	WILSON BRADLEY M & MALLORY M	1-RB3-8
T5	TSIKOURIS JAMES & SHELLY	1-RB3-15
U5	CITY OF WHEELING	10-W80-1.2
V5	MASON TERRENCE L	10-W81-10.1
W5	MASON TERRY	10-W81-1
X5	BERKAT PROPERTIES LLC	10-W81-2
Y5	JENKINS ROBIN L	10-W81-2.1
Z5	SMOOT RICHARD E & ANGELA J	10-W81-3
A6	HUNTINGTON SUSAN	10-W81-4
B6	SMITH STEVEN & LINDA P	10-W81-5
C6	SAYTOR JOHN F JR	10-W81-6
D6	JEHOVAH WITNESSES OF WHEELING CONGREGATION TRUSTEES	10-W81-7
E6	JEHOVAH WITNESSES OF WHEELING CONGREGATION TRUSTEES	10-W81-8
F6	JEHOVAH WITNESSES OF WHEELING CONGREGATION TRUSTEES	10-W81-9
G6	WHEELING HOUSING AUTHORITY	10-W81-9.1
H6	WHEELING HOUSING AUTHORITY	10-W81-9.3
I6	MAXWELL CONSTRUCTION LLC	10-W86-416
J6	WILSON DONALD M & DANI J	1-RB3-1.7
K6	HUNTER GREGORY W & DEBORA L	1-RB3-1.1
L6	DHAHIR HAITHAM JAWAD SHAYMAA	1-RB3-1.9
M6	SMITH DIANNA M	1-RB3-1.12
N6	HINTON DONALD L & N J	1-RB2J-60
O6	TURANI WILL A & TRACEY S	1-RB2J-61.2
P6	WILSON CHRISTOPHER M & ERICA M	1-W80-1.5
Q6	ROTH BRIAN P & TRISHA R	1-RB2J-61.1
R6	HOFFMAN GARY L & P A	1-RB2J-37
S6	KOVALCHIE JOHN S III & C K	1-RB2J-38
T6	BARR MELISSA M	1-RB2J-39
U6	DZINGELESKI ELIZABETH ANN - TOD	1-RB2J-34
V6	MATTERN JENNIFER R	1-RB2J-32
W6	DUFFY LAURINDA JEAN	1-RB2J-26
X6	DUFFY LAURINDA JEAN	10-W90A-1.2
Y6	JNK PROPERTIES	10-W90A-2
Z6	SCHIFFER THOMAS	10-W90A-3
A7	MEC ENTERPRISES	10-W90A-4
B7	BOARD OF COMMERCE OHIO COUNTY	10-W90A-8
C7	UNKNOWN OWNER	10-W90A-9
D7	PIAZZA BARBARA L - TOD	10-W90-53
E7	PIAZZA BARBARA L - TOD	10-W90-54
F7	GOMEZ RAYMOND L & JENNIFER L	10-W90-55
G7	GOMEZ RAYMOND L & JENNIFER L	10-W90A-35
H7	TEAM SLEDD LLC	10-W90-49
I7	TEAM SLEDD LLC	10-W90-47
J7	TEAM SLEDD LLC	10-W90-50
K7	EDWARDS TERRY L & CRYSTAL A	10-W90-31
L7	KOEGLER TODD M & B J	10-W90-32
M7	SYRYLO GARY L & C M	10-W90-33
N7	PREZELENSKI JOHN & B	10-W90-34.1
O7	PREZELENSKI JOHN & B	10-W90-35
P7	DUVALL SANDRA K	10-W90-36
Q7	ABPLANALP HARRY A JR & M	10-W90-37
R7	BAKER GINA M ET AL	10-W90-38
S7	JEFFERSON JAMES A & ZATAWSKI AMI	10-W90-39
T7	CURTIS LINDA W	10-W90-40
U7	KOUSKI THOMAS & RONDALYNN -RTO FRANCIS KRISTIN & B T KOUSKI	10-W90-41
V7	EBERLING BERNARD J	10-W90-42
W7	SCHWERTFEGER CODY & KATHERINE	10-W94-16
X7	DESANTIS MATTHEW JAMES	10-W94-17
Y7	LLOYD PATRICK R & SARAH E	10-W94-15
Z7	BROSSMAN MARK C	10-W94-1
A8	BROSSMAN MARK C	10-W94-1.3
B8	DEWITT ALEC MICHAEL & LAKEN M	10-W94-2
C8	EHLER C EDWARD & SHAREN K	10-W94-3
D8	GAUS GARY M & KARLA S	10-W94-4
E8	MUDGE RONALD A JR & G C	10-W94-5
F8	BASILONE FRANK J & K L	10-W94-6
G8	MATTHEWS DORLA	10-W94-7
H8	DEFILIPPO NANCE	10-W94-8
I8	SCHMITT JAMES H & J L	10-W94-9
J8	PARLEE MARK B	10-W95-146
K8	MOWDER KRISTEN L	10-W95-147
L8	CARNEY TAMMY LYNN - TOD	10-W95-148
M8	KRAJEWSKI FAMILY IRREV TRUST;KRAJEWSKI LEO J TRUSTEE	10-W95-149
N8	FARRELL STEPHEN V & CHRISTINE	10-W95-150

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
O8	LEFTWICH NEIL & MCFARLAND JUDY	10-W95-151
P8	RALBOVSKY VICKI L, NICHERSON BRIAN	10-W95-152
Q8	TROSCHE JUDITH S	10-W95-153
R8	DUKE MICHAEL S	10-W95-154
S8	HUGHES VICTORIA R	10-W95-155
T8	REMIAS WILLIAM P JR & REMIAS MARY F -TOD	10-W95-156
U8	ROBINSON MACIE	10-W95-157
V8	EBARB JANICE L	10-W95-158
W8	PALMER JAMES J & STACIE B	10-W95-159
X8	SIEBER MICHAEL G & MARY C/O SIEBER MARY C	10-W95-160
Y8	TICICH JOSEPH B & JOHNSTON W L	10-W95-161
Z8	GIERRIERO ROSEMARY E	10-W95-162
A9	LEE ROBIN M	10-W95-163
B9	ICE CHARLES & ARIA D	10-W95-164
C9	SMITH BRANDON T	10-W95-168
D9	PELUCETTE PAUL M & MEGHAN E HORAN	10-W95-194
E9	TRUAX LEE D & CLUNE TARA S	10-W95-109.1
F9	ZAMBITO ALFONSO J	10-W95-109.7
G9	SMITH DAVID & DIANE IRR TRST SMITH DAVID L & DIANE K TEES	10-W95-109.8
H9	C J RYAN INC	10-W95-109.6
I9	MATYSKIELA ERIC & KRISTINA	10-W95-109.11
J9	SALEM THOMAS & PAULINE	10-W95-109.14
K9	NEVERLY RAYMOND J & MELANIE B	10-W95-109.4
L9	GALARDI DIANE T	10-W95-109.3
M9	CONTRAGUERRO R C & J A	10-W95-109.10
N9	CONTRAGUERRO ROBERT C SR JODY A	10-W95-109.13
O9	WHARTON PETER R ET AL	10-W95-109.15
P9	GUMP RENTALS LLC	10-W95-220
Q9	GUMP RENTALS LLC	10-W95-219
R9	BUTTS RONALD M & TINA M	10-W95-219.1
S9	BUTTS RONALD M & TINA M	10-W95-218
T9	BUTTS RONALD M & TINA M	10-W95-217
U9	SHELEK DONALD W & CHRISTY L	10-W95-216
V9	DUNLEVY RICHARD B & JENNIFER L	10-W95-215
W9	WILSON CHERYL B	10-W95-214
X9	WILSON CHERYL B	10-W95-221
Y9	BONACCI BRIAN F	10-W95-213
Z9	DIETRICH THOMAS V & JUDITH L	10-W95-212
A10	RYAN C J INC	10-W95-211
B10	JOHNSON DANIEL J & JAMIE L	10-W95-210
C10	SMALL LAND HOLDINGS CO	10-W95-210.1
D10	DEI TODD D & STACIE L	10-W95-209
E10	MUSSER NATHAN M & AMBER L	10-W96-31
F10	CARDINAL HEALTH 110 LLC	10-W96-39.1
G10	WOKCIK STEPHEN E III & CRISTI	10-W96-41
H10	ROBRECHT RICHARD M & SUSAN L	10-W95-112.7
I10	PEKLINSKY CAROLINE B	10-W96-42
J10	BENTZ CHAD EDWARD & AMBER LYNN	10-W95-112.1
K10	WHEELER CHARLES S D & DENISE M	10-W95-112.4
L10	PERONI CONSTRUCTION INC	10-W95-111.1
M10	PERONI CONSTRUCTION INC	10-W95-111
N10	PERONI LOUIS D & ELLEE M	10-W95-112.3
O10	PERONI CONSTRUCTION INC	10-W96-39.2
P10	ROBRECHT RICHARD M & SUSAN L	10-W95-112.8
Q10	DOUGHERTY CHERYL L	10-W95-112.5
R10	VANAMAN ROBERT M & VICKI L	10-W95-112.6
S10	GILLESPIE DANIEL L & STEPHANIE H	10-W96-39.7
T10	WEBB DAVID & KATELYNN	16-2CC-39
U10	BENNETT NEIL & LISA	16-2CC-38
V10	MEGALE WILLIAM B	16-2CC-37
W10	LAW CRYSTAL A & IVAN T	16-2CC-36
X10	TUEL JAMES E & LINDA	16-2CC-35
Y10	NARRISH ROBERT A	16-2CC-34
Z10	EVANS LUTHER & LYNN M	16-2CC-33
A11	PERONI CONSTRUCTION INC	13-2-17
B11	HOLDREN BARBARA	13-2-18
C11	HART BARBARA D	16-1-12
D11	TENNANT CALEB & AMANDA	16-1-7
E11	RENTSCHLER FREDERICK W JR & PARKER LYNETTE M	16-1-1
F11	GARVIN JOHN P & DOUGHERTY BRETT M	13-2-21
G11	COVENANT COMMUNITY CHURCH TRUSTEES	13-2-22
H11	KLUG PEGGY A	13-2-27.1
I11	GARVIN JOHN A	13-2-23
J11	CLARK JOHN C	13-2-25
K11	GIBSON DAVID T ET UX	13-2-24.1
L11	WHITE HORSE FARM LLC	13-3-6
M11	HUGHES SEAN B	13-3-5.4
N11	HUGHES HEIDI SCHENK	13-3-5.2
O11	URACO MARK A & MARY D	12-1B-14
P11	MILLER HAROLD H - TOD	12-1B-15
Q11	VILLANOVA WILLIAM & BETTY	10/18/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	BETTY SCHAFFER MSH	API #
	WELL #:	401H	47-051-02505
	DISTRICT:	SAND HILL	COUNTY:
			MARSHALL
			STATE:
			WV
			DATE: 05-06-2024
			DRAWN BY: J. COCKERHAM
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 5

TRACT	SURFACE OWNER	TAX PARCEL
01	VILANOVA WILLIAM & BETTY	15-18-19
P11	MILLER HAROLD H - TOD	15-18-12
O11	URACO MARK A & MARY D	15-18-14
N11	HUGHES HEIDI SCHEINK	13-3-2-2
M11	HUGHES SEAN B	13-3-2-4
L11	WHITE HORSE FARM LLC	13-3-6
K11	GIBSON DAVID T ET UX	13-3-24-1
J11	CLARK JOHN C	13-3-22
I11	GARVIN JOHN A	13-3-23
H11	KLUG PEGGY A	13-3-23-1
G11	GOVERNANT COMMUNITY CHURCH TRUSTEES	13-3-25
F11	GARVIN JOHN P & DOUGHERTY BRETT M	13-3-21
E11	RENTSCHLER FREDERICK W JR & PARKER LYNETTE M	16-1-1
D11	TENNANT CALEB & AMANDA	16-1-7
C11	HART BARBARA D	16-1-12
B11	HOLDREN BARBARA	13-3-18
A11	PERONI CONSTRUCTION INC	13-3-12
Z10	EVANS LUTHER & YUIN M	16-3C-33
X10	TUEL JAMES E & LINDA	16-3C-32
W10	LAW CRYSTAL A & IVAN T	16-3C-36
V10	MEGAL WILLIAM B	16-3C-37
U10	BENNETT NEIL & LISI	16-3C-38
T10	WEBB DAVID & KATELYN	16-3C-39
210	GILLESPIE DANIEL J & STEPHANIE H	10-3-38-7
R10	VANAMAN ROBERT M & VICKI L	10-3-38-6
Q10	DOUGHERTY CHERYL J	10-3-38-5
P10	ROBRECHT RICHARD M & SUSAN J	10-3-38-8
O10	PERONI CONSTRUCTION INC	10-3-38-3
N10	PERONI LOUIS D & ELLEN M	10-3-38-2
M10	PERONI CONSTRUCTION INC	10-3-38-1
L10	PERONI CONSTRUCTION INC	10-3-38-11
K10	WHEELER CHARLES S D & DENISE M	10-3-38-14
J10	BENITZ CHAD EDWARD & AMBER LYNN	10-3-38-15
I10	PEKLINKY CAROLINE B	10-3-38-45
H10	ROBRECHT RICHARD M & SUSAN J	10-3-38-17
G10	WOKCİK STEPHEN E III & CRISTI	10-3-38-41
F10	CARDINAL HEALTH #10 LLC	10-3-38-31
E10	MUSSER NATHAN M & AMBER L	10-3-38-31
D10	DEI TODD D & STACIE J	10-3-38-31
C10	SMALL LAND HOLDINGS CO	10-3-38-101
B10	JOHNSON DANIEL J & JAMIE L	10-3-38-210
A10	RYAN C INC	10-3-38-211
Z9	DIETRICH THOMAS V & JUDITH L	10-3-38-212
Y9	BONACCI BRIAN F	10-3-38-213
X9	WILSON CHERYL B	10-3-38-214
W9	WILSON CHERYL B	10-3-38-214
V9	DUNLEVY RICHARD B & JENNIFER L	10-3-38-215
U9	SHEEK DONALD W & CHRISTY J	10-3-38-216
T9	BUTTS RONALD M & TINA M	10-3-38-217
S9	BUTTS RONALD M & TINA M	10-3-38-218
R9	BUTTS RONALD M & TINA M	10-3-38-219
Q9	GUMP RENTALS LLC	10-3-38-219
P9	GUMP RENTALS LLC	10-3-38-220
O9	WHARTON PETER R ET AL	10-3-38-109
N9	CONTRAGUERRA ROBERT C SR JODY A	10-3-38-109
M9	CONTRAGUERRA R C & L A	10-3-38-109
L9	GALARZI DIANE T	10-3-38-109
K9	NEVERLY RAYMOND J & MELANIE B	10-3-38-109
J9	SALEM THOMAS & PAULINE	10-3-38-109
I9	TAMATYSKIELA ERIC & KRISTINE	10-3-38-109
H9	C RYAN INC	10-3-38-109
G9	SMITH DAVID & DIANE R SR SMITH DAVID J & DIANE K TEES	10-3-38-109
F9	ZAMBITO ALFONSO J	10-3-38-109
E9	TRUAX LEE D & CLINE TARA S	10-3-38-109
D9	PERUCHETTE PAUL M & MEGHAN E HORAN	10-3-38-194
C9	SMITH BRADON T	10-3-38-168
B9	ICE CHARLES & ARIA D	10-3-38-164
A9	LEE ROBIN M	10-3-38-163
Z8	GIERRIERO ROSEMARY E	10-3-38-162
Y8	TICICH JOSEPH B & JOHNSON W L	10-3-38-161
X8	GIEBER MICHAEL G & MARY C O GIEBER MARY C	10-3-38-160
W8	PALMER JAMES J & STACIE B	10-3-38-159
V8	EBARB JANICE J	10-3-38-158
U8	ROBINSON MACIE	10-3-38-157
T8	REMIAS WILLIAM P JR & REMIAS MARY F - TOD	10-3-38-156
S8	HUGHES VICTORIA R	10-3-38-155
R8	DUKE MICHAEL S	10-3-38-154
Q8	TROSCH JUDITH S	10-3-38-153
P8	RAJBOVSKY VICKI L NICHERSON BRIAN	10-3-38-152
O8	LEFTWICH NEIL & MCFARLAND JUDY	10-3-38-151

TRACT	SURFACE OWNER	TAX PARCEL
M8	KRAJEWSKI FAMILY TRUST; KRAJEWSKI LEO J TRUSTEE	10-3-38-198
L8	CARNEY TAMMY LYNN - TOD	10-3-38-198
K8	MOWDER KRISTEN J	10-3-38-197
J8	PARLEE MARK B	10-3-38-196
I8	SCHMITT JAMES H & J L	10-3-38-195
H8	DEFLIPPONAINCE	10-3-38-194
G8	MATTHEWS DORLA	10-3-38-193
F8	BASILONE FRANK J & K J	10-3-38-192
E8	MUDGE RONALD A JR & G C	10-3-38-191
D8	GUS GARY M & KARLA S	10-3-38-190
C8	EHLER C EDWARD & SHAREN K	10-3-38-189
B8	DEWITT MICHAEL & LAKEN M	10-3-38-188
A8	BROSSMAN MARK C	10-3-38-187
Z7	BROSSMAN MARK C	10-3-38-186
Y7	JEFFERSON JAMES A & ZATAWSKI AMI	10-3-38-185
X7	BAKER GINA M ET AL	10-3-38-184
W7	ABLANALP HARRY A JR & M	10-3-38-183
V7	DUVAL SARAH K	10-3-38-182
U7	PREZELINSKI JOHN & B	10-3-38-181
T7	PREZELINSKI JOHN & B	10-3-38-180
S7	ZYRULO GARY L & C M	10-3-38-179
R7	KOEGLER TODD M & B I	10-3-38-178
Q7	EDWARDS TERRY J & CHRISTAL A	10-3-38-177
P7	TEAM SLEDD LLC	10-3-38-176
O7	TEAM SLEDD LLC	10-3-38-175
N7	TEAM SLEDD LLC	10-3-38-174
M7	TEAM SLEDD LLC	10-3-38-173
L7	PIAZZA BARBARA L - TOD	10-3-38-172
K7	PIAZZA BARBARA L - TOD	10-3-38-171
J7	PIAZZA BARBARA L - TOD	10-3-38-170
I7	PIAZZA BARBARA L - TOD	10-3-38-169
H7	PIAZZA BARBARA L - TOD	10-3-38-168
G7	PIAZZA BARBARA L - TOD	10-3-38-167
F7	PIAZZA BARBARA L - TOD	10-3-38-166
E7	PIAZZA BARBARA L - TOD	10-3-38-165
D7	PIAZZA BARBARA L - TOD	10-3-38-164
C7	UNKNOWN OWNER	10-3-38-163
B7	BOARD OF COMMERCE OHIO COUNTY	10-3-38-162
A7	MEC ENTERPRISES	10-3-38-161
Z6	SCHIFFER THOMAS	10-3-38-160
Y6	INK PROPERTIES	10-3-38-159
X6	DUFFY LAURINDA JEAN	10-3-38-158
W6	DUFFY LAURINDA JEAN	10-3-38-157
V6	MATTERN JENNIFER R	10-3-38-156
U6	DZINGELSKI ELIZABETH ANN - TOD	10-3-38-155
T6	BARR MELISSA M	10-3-38-154
S6	KOVALCHIE JOHN III & C K	10-3-38-153
R6	HOFFMAN GARY L P A	10-3-38-152
Q6	ROTH BRIAN P & KRISHA R	10-3-38-151
P6	WILSON CHRISTOPHER M & ERICA M	10-3-38-150
O6	TURANI WILL S & TRACY S	10-3-38-149
N6	HINTON DONALD L & N I	10-3-38-148
M6	SMITH AMANDA	10-3-38-147
L6	DHAR HAHITAM JAWAD SHAYAMA	10-3-38-146
K6	HUNTER GREGORY W & DEBORA J	10-3-38-145
J6	WILSON DONALD M & DAN I	10-3-38-144
I6	MAXWELL CONSTRUCTION LLC	10-3-38-143
H6	WHEELING HOUSING AUTHORITY	10-3-38-142
G6	WHEELING HOUSING AUTHORITY	10-3-38-141
F6	JEHOVAH WITNESSES OF WHEELING CONGREGATION TRUSTEES	10-3-38-140
E6	JEHOVAH WITNESSES OF WHEELING CONGREGATION TRUSTEES	10-3-38-139
D6	JEHOVAH WITNESSES OF WHEELING CONGREGATION TRUSTEES	10-3-38-138
C6	SAAYTOR JOHN F JR	10-3-38-137
B6	SMITH STEVEN & LINDA P	10-3-38-136
A6	HUNTINGTON SUSAN	10-3-38-135
Z5	SMOOL RICHARD E & ANGELA J	10-3-38-134
Y5	JENKINS ROBIN J	10-3-38-133
X5	BERKAT PROPERTIES LLC	10-3-38-132
W5	MAZON TERRY	10-3-38-131
V5	MAZON TERRY	10-3-38-130
U5	CITY OF WHEELING	10-3-38-129
T5	ZSKOURIS JAMES & SHELLY	10-3-38-128
S5	WILSON BRADLEY M & MALLORY M	10-3-38-127
R5	GARLOCH COURTNEY M	10-3-38-126
Q5	STERLING TERRY A & KAREN J	10-3-38-125
P5	MIEHE FAMILY REVOCABLE LIVING TRUST	10-3-38-124
O5	VERNON ERIC G & JILL D - TOD	10-3-38-123
N5	BELTRONDO ASHLEY J & MATTHEW D	10-3-38-122
M5	BELTRONDO ASHLEY J & MATTHEW D	10-3-38-121



DATE: 02-08-2024		DRAWN BY: J. COCKERHAM		SCALE: N/A		DRAWING NO:		WELL LOCATION PLAT 2	
APL # 47-051-02505		STATE: WV		COUNTY: MARSHALL		DISTRICT: SAND HILL		WELL #: 401H	
OPERATOR'S: BETTY SCHAFER MSH		COMPANY: SWN Production Company, LLC		REVISIONS:		10/18/2024			

**JACKSON SURVEYING  
INC.**

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

TRACT	ADJOINING OWNERS TABLE	
	SURFACE OWNER	TAX PARCEL
R11	VILLANOVA WILLIAM & BETTY	12-1B-20
S11	CARPENTER MELISSA A & RANDAL L	12-1B-21.3
T11	BENNINGTON LEA & JAMES R	12-1B-21.4
U11	MARTIN BRIAN	12-1B-21
V11	DAWSON THOMAS A ET AL	12-1B-21.1
W11	MCADAMS ROBERT E & JODY L	12-1B-27.1
X11	MAAS BRIAN J & AMY C - TRUST	13-3-8
Y11	MAAS BRIAN J & AMY C - TRUST	13-3-10
Z11	MAAS BRIAN J & AMY C - TRUST	13-3-9
A12	STRONG GREGORY S & LOUISE M	12-9-2
B12	HART JOHN J & RENEE A	13-3-11
C12	GRAY JOHN ALVIN	13-3-14
D12	FISHER CHARLES B & CARLA S	12-9-20
E12	MERINAR CALVIN C - LIFE	12-9-19
F12	FISH PATRICIA A & FREDERICK W	12-10-1.2
G12	OHIO COUNTY COAL RESOURCES INC	12-9-22
H12	ROMAN EUGENE H	12-10-1
I12	MEADOW LAKE CLUB CO	12-10-2

10/18/2024

REVISIONS:	COMPANY:	 	
	OPERATOR'S	BETTY SCHAFER MSH	API #
	WELL #:	401H	47-051-02505
	DISTRICT:	COUNTY:	STATE:
	SAND HILL	MARSHALL	WV
			DATE: 05-06-2024
			DRAWN BY: J. COCKERHAM
			SCALE: N/A
			DRAWING NO:
			WELL LOCATION PLAT 6

TRACT	ADJOINING OWNERS TABLE	TAX PARCEL
I12	MEADOW LAKE CLUB CO	12-10-2
H12	ROMAN EUGENE H	12-10-1
G12	OHIO COUNTY COAL RESOURCES INC	12-9-22
F12	FISH PATRICIA A & FREDERICK W	12-10-12
E12	MERINAR CALVIN C - LIFE	12-9-19
D12	FISHER CHARLES B & CARLA S	12-9-20
C12	GRAY JOHN ALVIN	12-3-14
B12	HART JOHN L & RENEE A	12-3-11
A12	STRONG GREGORY S & LOUISE M	12-9-2
Z11	MAAS BRIAN J & AMY C - TRUST	12-3-9
Y11	MAAS BRIAN J & AMY C - TRUST	12-3-10
X11	MAAS BRIAN J & AMY C - TRUST	12-3-8
W11	MCADAMS ROBERT E & JODY L	12-18-27.1
V11	DAWSON THOMAS A ET AL	12-18-21.1
U11	MARTIN BRIAN	12-18-21
T11	BENNINGTON LEA & JAMES R	12-18-21.4
S11	CARPENTER MELISSA A & RANDAL L	12-18-21.3
R11	VILANOVA WILLIAM & BETTY	12-18-20

10/18/2024

DATE: 02-08-2024		DRAWN BY: J. COCKERHAM		SCALE: N/A		DRAWING NO:		WELL LOCATION PLAT 6	
API # 47-021-02502		STATE: WV		COUNTY: MARSHALL		DISTRICT: SAND HILL		WELL #: 401H	
OPERATOR'S BETTY SCHAFER MSH		COMPANY: SWN Production Company, LLC		DATE: 02-08-2024		DRAWN BY: J. COCKERHAM		SCALE: N/A	
DRAWING NO:		DRAWING NO:		DRAWING NO:		DRAWING NO:		DRAWING NO:	
WELL LOCATION PLAT 6		WELL LOCATION PLAT 6		WELL LOCATION PLAT 6		WELL LOCATION PLAT 6		WELL LOCATION PLAT 6	



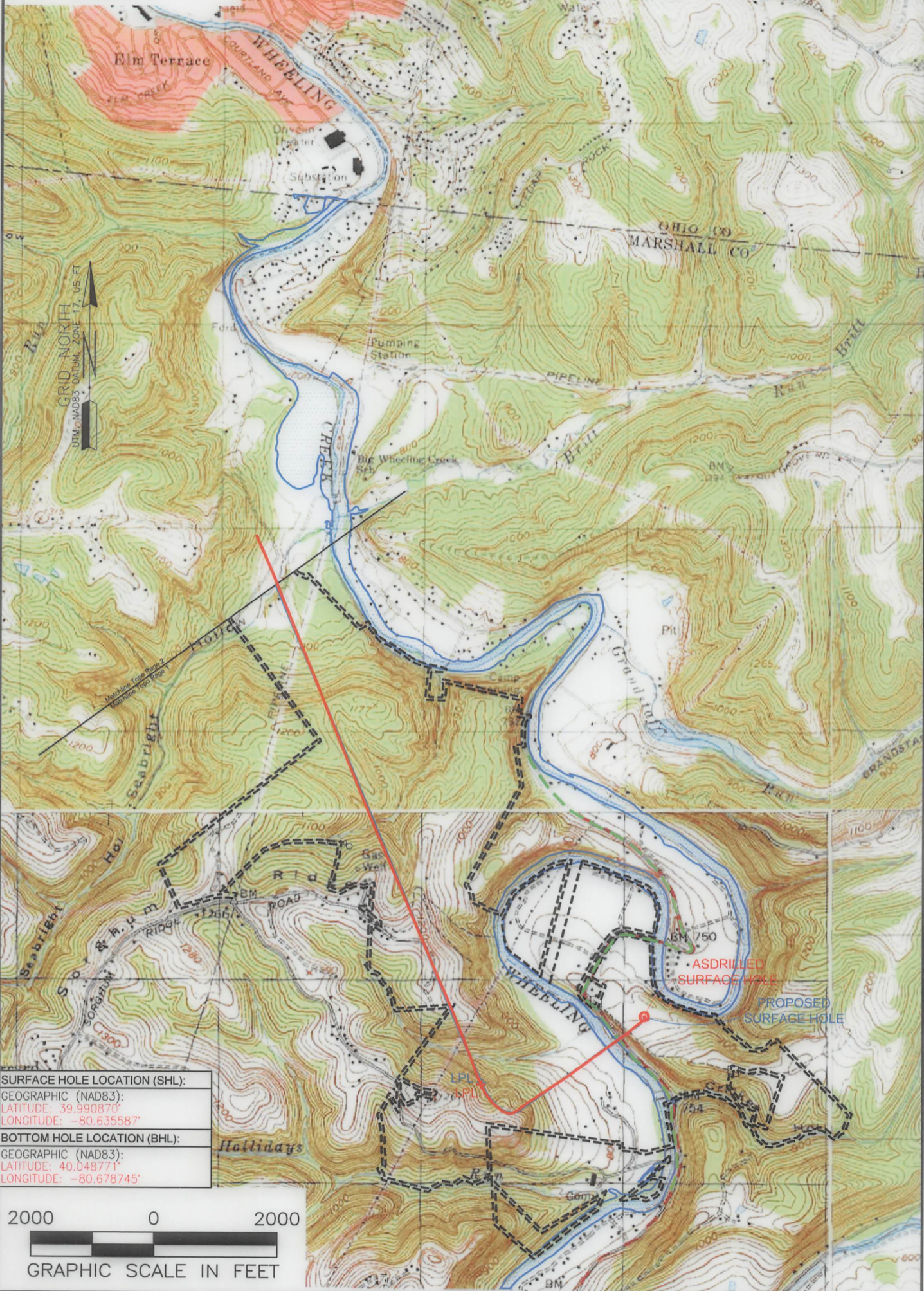
**JACKSON SURVEYING**

**INC.**

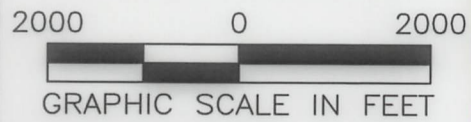
2413 EAST PIKE ST. # 112

Clarksburg, WV 26302

304-623-5851



<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 39.990870°
LONGITUDE: -80.635587°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.048771°
LONGITUDE: -80.678745°



**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.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

**LEGEND:**

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊙ EXISTING / PRODUCING WELLHEAD
- ✱ LPL\* LANDING POINT LOCATION
- FLOOD PLAIN
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- = LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH

10/18/2024

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> BETTY SCHAFER MSH	<b>WELL #</b> 401H	<b>SERIAL #</b> 
<b>ADDRESS:</b> 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	<b>COUNTY - CODE</b> MARSHALL - 051	<b>DISTRICT;</b> SAND HILL	
<b>SURFACE OWNER:</b> ROY A. SCHAFER JR. & EDWARD J. SCHAFER	<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> MOUNDSVILLE, WV	<b>API #</b> 47-051-02505	

JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarkburg, WV 26302  
 304-623-8851



SURFACE HOLE LOCATION (SHL):	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.990870	
LONGITUDE: -80.625887	
BOTTOM HOLE LOCATION (BHL):	
GEOGRAPHIC (NAD83):	
LATITUDE: 40.048377	
LONGITUDE: -80.678745	

GRAPHIC SCALE IN FEET  
 0 2000 4000

- LEGEND:**
- ASDRILLED PATH
  - PROPOSED PATH
  - LEASE BOUNDARY
  - ACCESS ROAD TO PREV. SITE
  - PUBLIC ROAD
  - ACCESS ROAD
  - PROPOSED SURFACE HOLE \ BOTTOM HOLE
  - EXISTING \ PRODUCING WELHEAD
  - LANDING POINT LOCATION
  - FLOOD PLAIN

WELL (FARM) NAME: BETTY SCHAFER MSH	WELL # 401H	SERIAL #
COUNTY - CODE MARSHALL - 021	DISTRICT: SAND HILL	
USGS 7 1/2 QUADRANGLE MAP NAME MOUNDSVILLE, WV	API # 47-021-02502	

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508
SURFACE OWNER: ROY A. SCHAFER JR. & EDWARD J. SCHAFER	

10/18/2024

NOTES ON SHEET:  
 1. SURFACE HOLE LOCATION INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.  
 2. THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.  
 3. ALL INSERTS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.