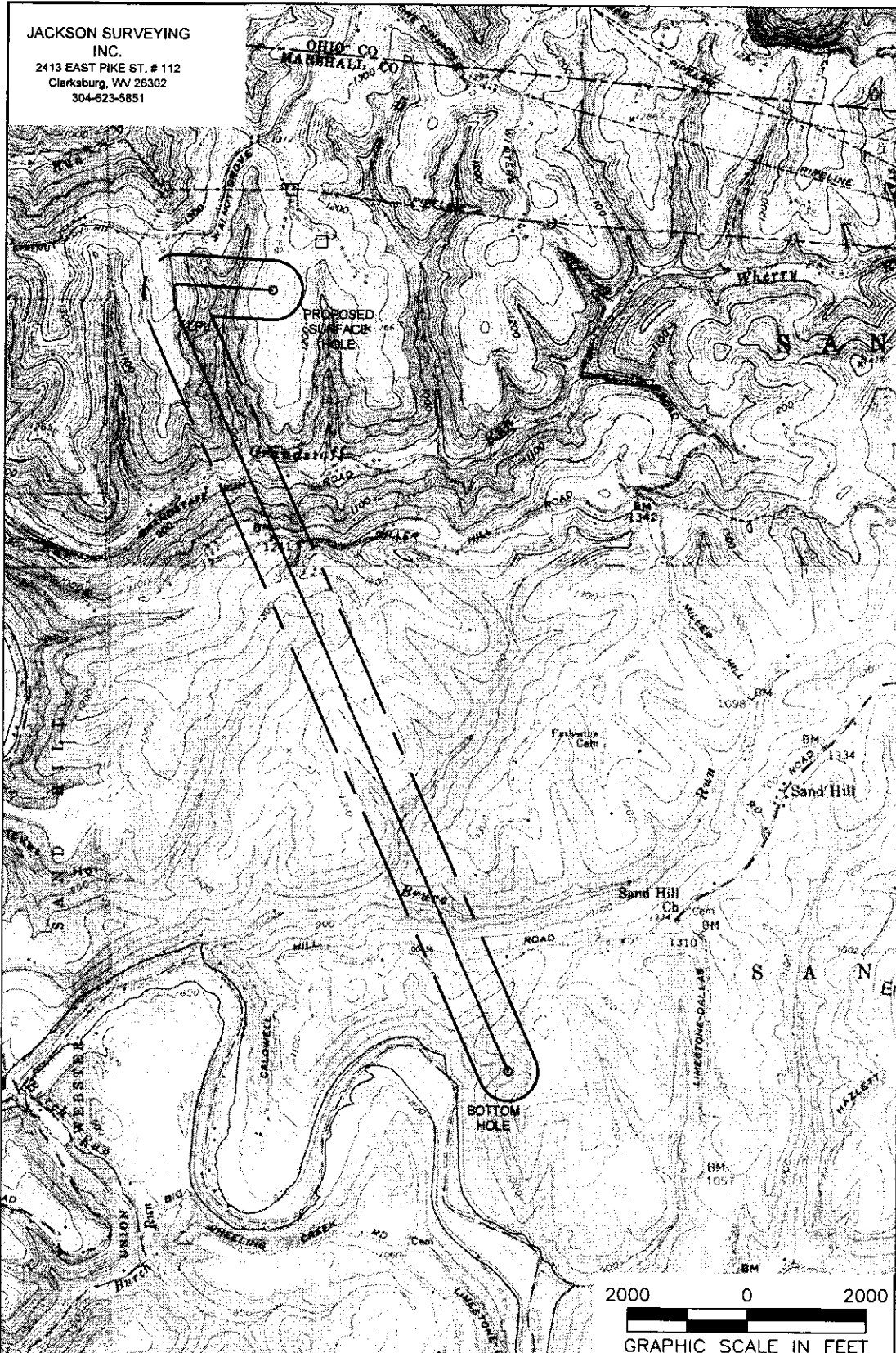


JACKSON SURVEYING  
 INC.  
 2413 EAST PIKE ST. # 112  
 Clarksburg, WV 26302  
 304-623-5851



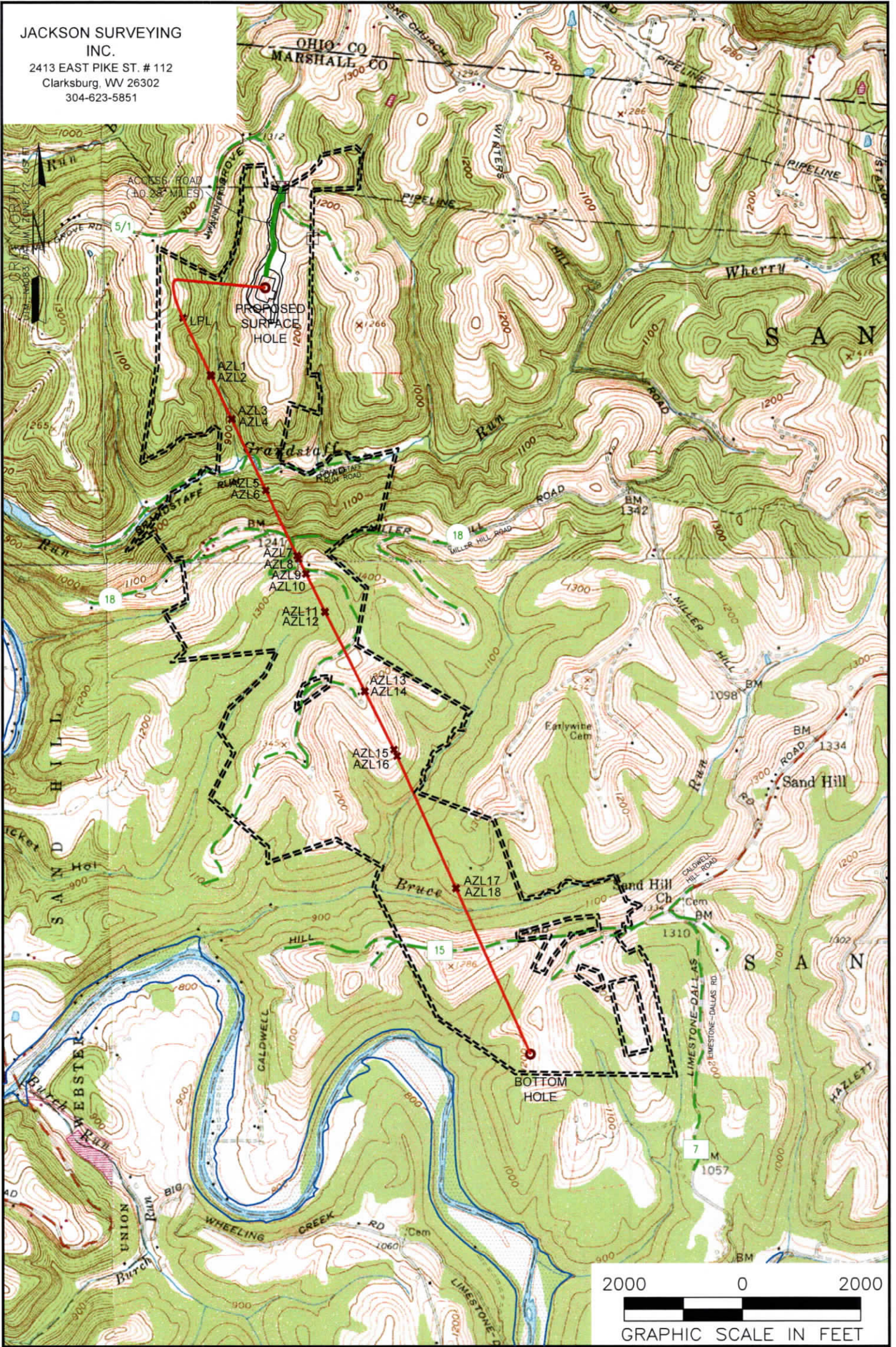
RECEIVED  
 Office of Oil and Gas  
 JAN 30 2025  
 WV Department of  
 Environmental Protection

<b>NOTES ON SURVEY</b>			
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 PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.			
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.			
<b>LEGEND:</b>		ACCESS ROAD PUBLIC ROAD ACCESS ROAD TO PREV. SITE LEASE BOUNDARY PROPOSED PATH	
PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LPL: LANDING POINT LOCATION FLOOD PLAIN			

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC			
<b>ADDRESS:</b> 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508			
<b>SURFACE OWNER:</b> BARRY A. & KIMBERLY S. LITMAN		<b>WELL (FARM) NAME:</b> MICHAEL SOUTHWORTH MSH	<b>WELL #</b> 206H
		<b>COUNTY - CODE</b> MARSHALL - 051	<b>DISTRICT:</b> SANDHILL
		<b>USGS 7 1/2 QUADRANGLE MAP NAME</b> WILEYVILLE, WV	

03/14/2025

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



**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
- ✕ LPL
- FLOOD PLAIN
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- = LEASE BOUNDARY
- PROPOSED PATH

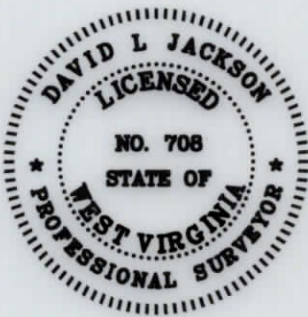
02/14/2025

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: MICHAEL SOUTHWORTH MSH	WELL # 206H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT; SANDHILL	
SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN	USGS 7 1/2 QUADRANGLE MAP NAME VALLEY GROVE, WV	API #: 47-051-02521	



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*

02/14/2025

REVISIONS:	COMPANY:			
	OPERATOR'S MICHAEL SOUTHWORTH MSH		API #:	DATE: 12-10-2024
	WELL #:		47-051-02521	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	SANDHILL	MARSHALL	WV	DRAWING NO:
				WELL LOCATION PLAT 2

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

**NOTES ON SURVEY**

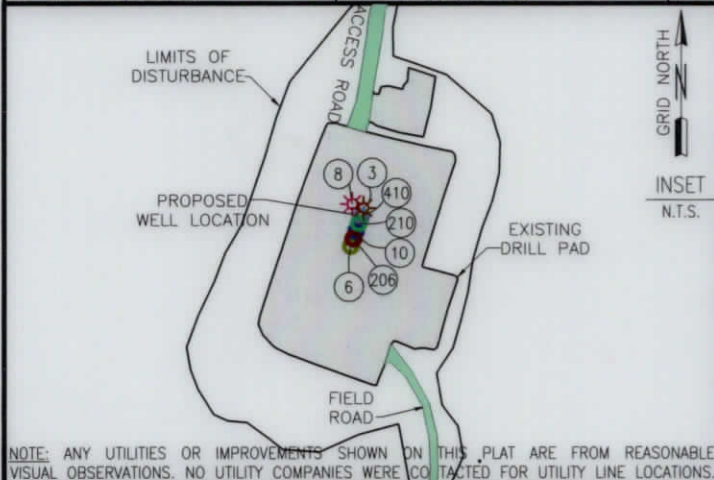
1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

<b>SURFACE HOLE LOCATION (SHL):</b>	<b>AZIMUTH POINT LOCATION-5 (AZL5):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.012681° LONGITUDE: -80.614836°	GEOGRAPHIC (NAD83): LATITUDE: 40.003297° LONGITUDE: -80.614878°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,531,584.280 EASTING: 1,748,262.410	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,528,167.110 EASTING: 1,748,265.270
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,235.747 EASTING: 532,871.448	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,194.192 EASTING: 532,872.320
<b>TURNING POINT LOCATION-1 (TPL1):</b>	<b>AZIMUTH POINT LOCATION-6 (AZL6):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.013081° LONGITUDE: -80.620160°	GEOGRAPHIC (NAD83): LATITUDE: 40.003284° LONGITUDE: -80.614870°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,531,723.330 EASTING: 1,746,771.160	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,528,162.150 EASTING: 1,748,267.640
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,278.130 EASTING: 532,416.914	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,192.680 EASTING: 532,873.042

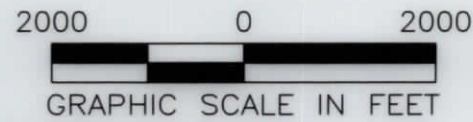
<b>LANDING POINT LOCATION (LPL):</b>	<b>AZIMUTH POINT LOCATION-7 (AZL7):</b>	<b>AZIMUTH POINT LOCATION-12 (AZL12):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.011307° LONGITUDE: -80.619826°	GEOGRAPHIC (NAD83): LATITUDE: 40.000240° LONGITUDE: -80.613009°	GEOGRAPHIC (NAD83): LATITUDE: 39.997624° LONGITUDE: -80.611323°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,531,078.050 EASTING: 1,746,867.420	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,527,056.110 EASTING: 1,748,793.750	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,526,105.430 EASTING: 1,749,269.940
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,429,081.448 EASTING: 532,446.255	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,855.558 EASTING: 533,033.401	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,565.790 EASTING: 533,178.544
<b>AZIMUTH POINT LOCATION-1 (AZL1):</b>	<b>AZIMUTH POINT LOCATION-8 (AZL8):</b>	<b>AZIMUTH POINT LOCATION-13 (AZL13):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.008643° LONGITUDE: -80.618161°	GEOGRAPHIC (NAD83): LATITUDE: 40.000089° LONGITUDE: -80.612914°	GEOGRAPHIC (NAD83): LATITUDE: 39.993953° LONGITUDE: -80.608957°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,530,109.690 EASTING: 1,747,337.740	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,527,001.430 EASTING: 1,748,820.470	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,524,771.700 EASTING: 1,749,938.350
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,786.291 EASTING: 532,589.608	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,838.892 EASTING: 533,041.545	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,159.268 EASTING: 533,382.276

<b>AZIMUTH POINT LOCATION-2 (AZL2):</b>	<b>AZIMUTH POINT LOCATION-9 (AZL9):</b>	<b>AZIMUTH POINT LOCATION-14 (AZL14):</b>	<b>AZIMUTH POINT LOCATION-17 (AZL17):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.008588° LONGITUDE: -80.618127°	GEOGRAPHIC (NAD83): LATITUDE: 39.999400° LONGITUDE: -80.612469°	GEOGRAPHIC (NAD83): LATITUDE: 39.993929° LONGITUDE: -80.608942°	GEOGRAPHIC (NAD83): LATITUDE: 39.984779° LONGITUDE: -80.603512°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,530,089.690 EASTING: 1,747,347.360	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,526,750.770 EASTING: 1,748,946.270	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,524,763.000 EASTING: 1,749,942.690	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,521,437.700 EASTING: 1,751,478.180
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,780.195 EASTING: 532,592.541	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,762.490 EASTING: 533,079.889	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,156.617 EASTING: 533,383.599	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,143.063 EASTING: 533,851.617
<b>AZIMUTH POINT LOCATION-3 (AZL3):</b>	<b>AZIMUTH POINT LOCATION-10 (AZL10):</b>	<b>AZIMUTH POINT LOCATION-15 (AZL15):</b>	<b>AZIMUTH POINT LOCATION-18 (AZL18):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.006593° LONGITUDE: -80.616903°	GEOGRAPHIC (NAD83): LATITUDE: 39.999385° LONGITUDE: -80.612459°	GEOGRAPHIC (NAD83): LATITUDE: 39.991217° LONGITUDE: -80.607209°	GEOGRAPHIC (NAD83): LATITUDE: 39.984761° LONGITUDE: -80.603502°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,529,364.740 EASTING: 1,747,693.030	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,526,745.390 EASTING: 1,748,948.970	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,523,777.700 EASTING: 1,750,432.400	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,521,431.170 EASTING: 1,751,481.100
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,559.230 EASTING: 532,697.901	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,760.850 EASTING: 533,080.712	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,856.297 EASTING: 533,532.863	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,141.073 EASTING: 533,852.507

<b>AZIMUTH POINT LOCATION-4 (AZL4):</b>	<b>AZIMUTH POINT LOCATION-11 (AZL11):</b>	<b>AZIMUTH POINT LOCATION-16 (AZL16):</b>	<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83): LATITUDE: 40.006580° LONGITUDE: -80.616896°	GEOGRAPHIC (NAD83): LATITUDE: 39.997648° LONGITUDE: -80.611339°	GEOGRAPHIC (NAD83): LATITUDE: 39.990918° LONGITUDE: -80.607028°	GEOGRAPHIC (NAD83): LATITUDE: 39.977052° LONGITUDE: -80.599068°
UTM (NAD83, ZONE 17, FEET): NORTHING: 14,529,360.080 EASTING: 1,747,695.260	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,526,114.430 EASTING: 1,749,265.430	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,523,668.890 EASTING: 1,750,483.660	UTM (NAD83, ZONE 17, FEET): NORTHING: 14,518,629.730 EASTING: 1,752,735.910
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,557.809 EASTING: 532,698.581	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,427,568.533 EASTING: 533,177.169	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,823.131 EASTING: 533,548.487	UTM (NAD83, ZONE 17, METERS): NORTHING: 4,425,287.192 EASTING: 534,234.974



<b>COMPANY:</b>	<b>SWN</b> Production Company, LLC	<b>SWN</b> Production Company™
<b>OPERATOR'S</b>	MICHAEL SOUTHWORTH MSH	
<b>WELL #:</b>	206H	
<b>DISTRICT:</b>	<b>COUNTY:</b>	<b>STATE:</b>
SANDHILL	MARSHALL	WV
<b>SWN PRODUCTION COMPANY, LLC SURFACE HOLES</b>		
3. "MICHAEL SOUTHWORTH MSH 3H"		
6. "MICHAEL SOUTHWORTH MSH 6H"		
8. "MICHAEL SOUTHWORTH MSH 8H"		
10. "MICHAEL SOUTHWORTH MSH 10H"		
206. "MICHAEL SOUTHWORTH MSH 206H"		
210. "MICHAEL SOUTHWORTH MSH 210H"		
410. "MICHAEL SOUTHWORTH MSH 410H"		
<b>REVISIONS:</b>		<b>DATE:</b> 12-10-2024
		<b>DRAWN BY:</b> N. MANO
		<b>SCALE:</b> 1" = 2000'
		<b>DRAWING NO:</b>
		<b>INTERNAL WELL PLAT</b>



02/14/2025


**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	LITMAN BARRY A & KIMBERLY S(S)	12-2-10
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	EDGE WILLIAM F JR - TOD ET AL (S)	12-2-15
3	WV BRIGHTMONT LLC (S)	12-2-14
4	G F P CORP (S)	12-2-12
5	GIBSON WILLIAM E(S)	12-9-12
6	GFP CORP (S)	12-2-7
7	PORTER CARLA S (S)	12-9-13
8	W VA DEPT OF HIGHWAYS (S)	MILLER HILL RD
9	MERINAR JAMES MARTIN ET UX (S)	12-9-15.1
10	MERINAR CALVIN C - LIFE (S)	12-9-16
11	MERINAR CALVIN C - LIFE (S)	12-9-18
12	TOLAND SONDR A J & WILLIAME (S)	12-9-17
13	TEMPLE TERRY L & BEVERLY J - (S)	12-11-4
14	W VA DEPT OF HIGHWAYS (S)	CALDWELL HILL RD
15	GRAY DONALD G - TOD & GRAY WYATT MATTHEW (S)	12-11-8

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	GIZA ALEXANDER C & CHRISTOPHER C	12-1-16.1
B	EDGE WILLIAM F JR - TOD ET AL	12-2-16
C	LITMAN JAMES M & LUCY A	12-2-16.1
D	RADCLIFFE JOHN D & ANNA M	12-2-10.1
E	LITMAN BARRY A	12-2-10.2
F	VELLENOWETH SCOTT U ET UX	12-2-1.1
G	BLATT THERESA L	12-2-23
H	BAIRD FAMILY TRUST	12-2-2
I	REINEKE RICHARD S	12-2-9
J	GREGORY DONNA R	12-2-9.1
K	TDL&G LLC	12-2-8
L	TOTH JOHN J SR & ALICE - TRUST	12-8-4.1
M	RICHEY RANDY ET UX	12-8-35
N	MERINAR CALVIN C - LIFE	12-9-15
O	MERINAR CALVIN C - LIFE	12-8-34
P	MERINAR CALVIN C - LIFE	12-9-16.1
Q	TOLAND WILLIAM EUGENE ET AL	12-8-33
R	WINTERS BEVERLY DIANE - TOD	12-11-6
S	STORCH JOSEPH WILLIAM ET UX	12-11-7
T	STORCH JOSEPH WILLIAM ET UX	12-11-12
U	GRAY WYATT MATTHEW	12-11-8.6
V	GRAY DONALD G ET UX - TOD	12-11-8.2
W	RUNKLE MICHELLE LEE	12-11-8.1
X	RUNKLE MICHELL LEE	12-11-8.7
Y	GRAY WYATT MATTHEW	12-11-8.5
Z	TEMPLE DONALD LEE	12-11-4.1
A2	TEMPLE TERRY L & BEVERLY J - TOD	12-11-8.3
B2	TEMPLE TERRY L & BEVERLY J - TOD	12-11-8.4
C2	RAYMOND JOHN	12-11-8.9
D2	OHIO COUNTY COAL RESOURCES INC	12-11-8.8
E2	KLAGES MARY ANN	12-11-10
F2	HILLBERRY GARRY L	12-11-9
G2	HILLBERRY PAUL E JR	12-11-9.3
H2	THOMAS RICHARD LEE BARTON	12-11-16
I2	TH EXPLORATION LLC	12-11-3
J2	CLAYTON CHARLES W ET AL	12-11-2
K2	MERINAR CALVIN C	12-11-1
L2	MERINAR CALVIN C - LIFE	12-9-19
M2	FISHER CHARLES B & CARLA S	12-9-20
N2	GRAY JOHN ALVIN EST	12-9-11
O2	ISALY ROBERT A SR EST	12-9-9
P2	EDGE WILLIAM JR & BARBARA ANN - TOD & DAVID WAYNE EDGE	12-9-8
Q2	ISALY ROBERT A SR EST	12-2-13
R2	WHEELING POWER COMPANY	12-9-8.1
S2	WV BRIGHTMONT LLC	12-1-16
T2	GIZA ALEXANDER C & CHRISTOPHER C	12-1-16.2

02/14/2025

REVISIONS:	COMPANY:	 	
	OPERATOR'S MICHAEL SOUTHWORTH MSH	API #:	DATE: 12-10-2024
	WELL #:	47-051-02521	DRAWN BY: N. MANO
	DISTRICT: SANDHILL	COUNTY: MARSHALL	SCALE: N/A
		STATE: WV	DRAWING NO:
			WELL LOCATION PLAT 3