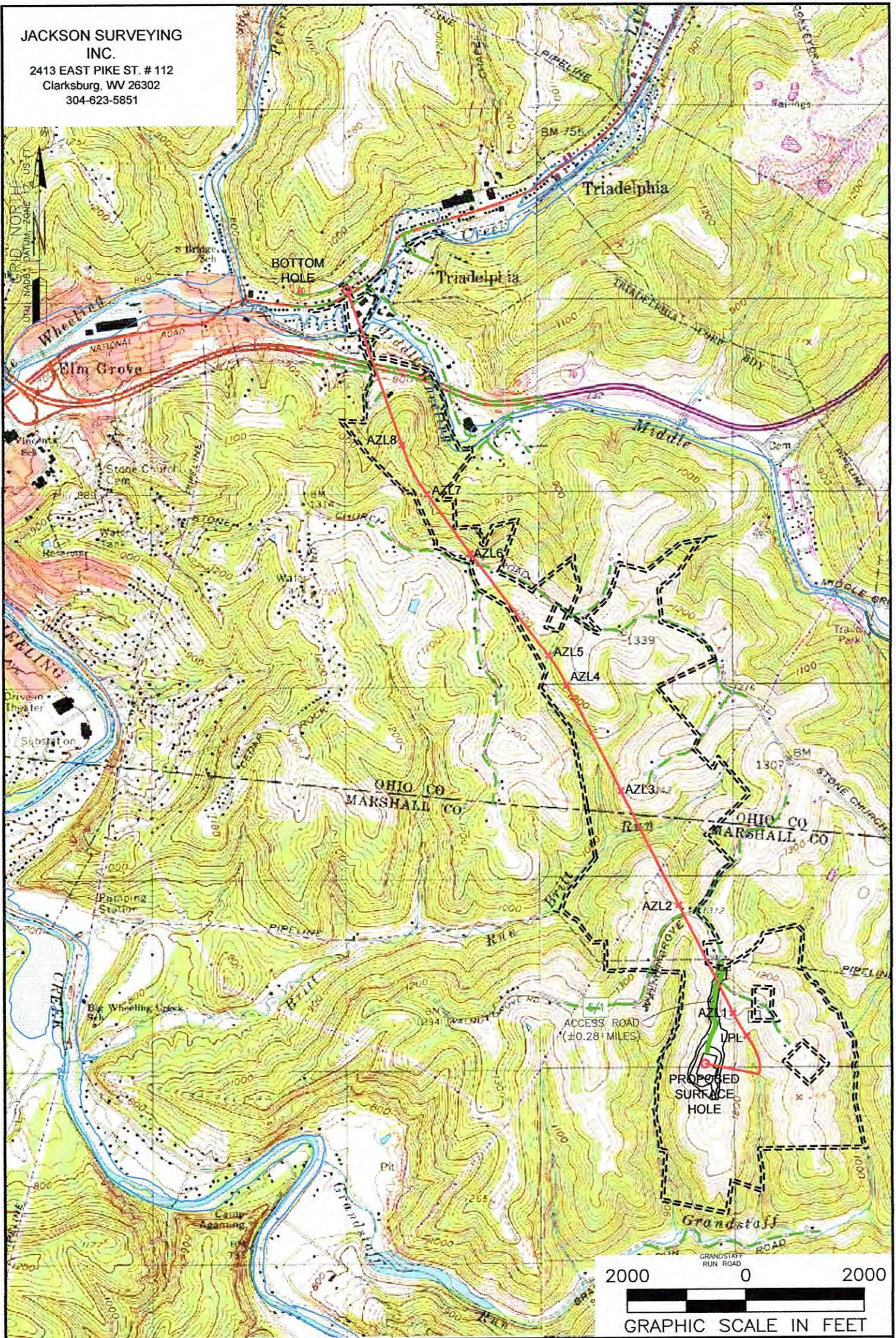


**JACKSON SURVEYING
INC.**
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851



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
- LANDING POINT LOCATION
- FLOOD PLAIN
- ACCESS ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

04/03/2026

WELL OPERATOR:
EXPAND OPERATING LLC
ADDRESS:
1300 FORT PIERPONT RD. SUITE 200 MORGANTOWN, WV 26508
SURFACE OWNER:
BARRY A. & KIMBERLY S. LITMAN

WELL (FARM) NAME: MICHAEL SOUTHWORTH MSH	WELL # 5H	SERIAL #
COUNTY - CODE MARSHALL - 051	DISTRICT; SANDHILL	
USGS 7 1/2 QUADRANGLE MAP NAME VALLEY GROVE, WV	API #: 47-051-	

Latitude: 40°02'30"

SURFACE HOLE 8,838'

Latitude: 40°05'00"

BOTTOM HOLE 3,132'

JACKSON SURVEYING INC.

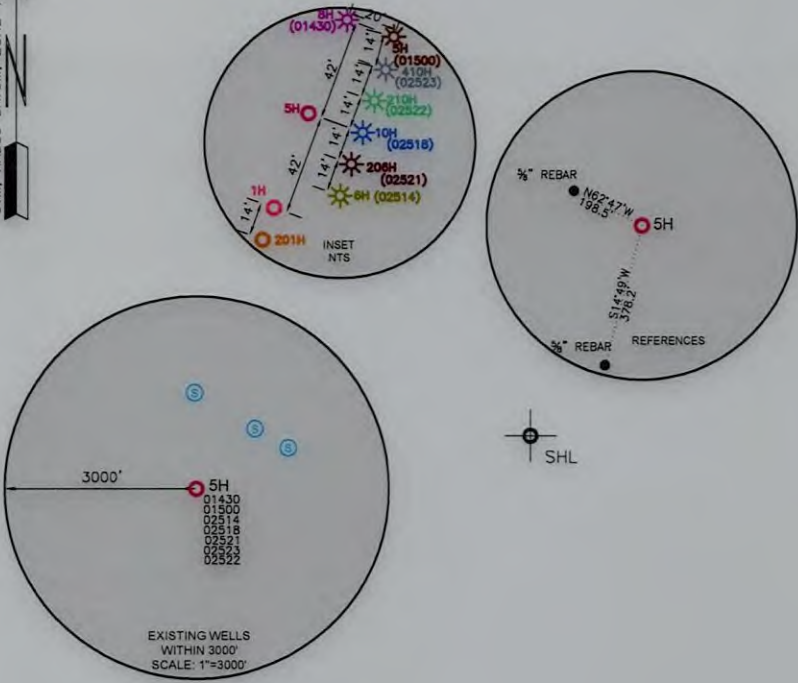
2413 EAST PIKE ST. # 112
Clarksburg, WV 26302
304-623-5851

Table with 2 columns: Location Name and UTM Coordinates (Northings, Eastings).

Table with 5 columns: LINE, BEARING, DISTANCE, DESCRIPTION, MONUMENT.

Table with 5 columns: LINE, BEARING, DISTANCE, CURVE LENGTH, DESCRIPTION.

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



WELL RESTRICTIONS

- 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.

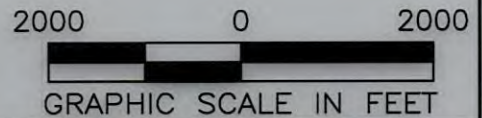
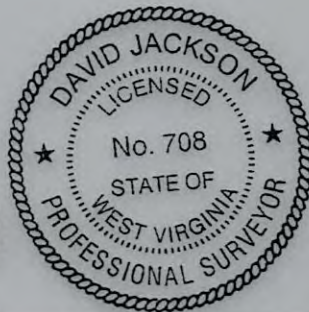
NOTES ON SURVEY

- 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.

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

P.S. 708

David L Jackson



COMPANY:



(+) 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)

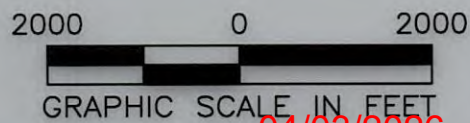
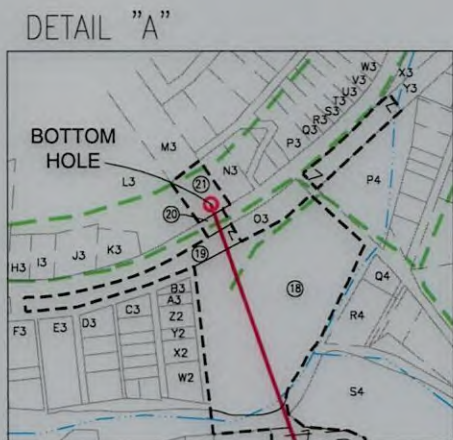
MICHAEL SOUTHWORTH MSH
OPERATOR'S WELL #: 5H
API WELL #: 47 051 02569
STATE COUNTY PERMIT

WELL TYPE: OIL [] WASTE DISPOSAL [] PRODUCTION [x] DEEP [] GAS [x] LIQUID INJECTION [] STORAGE [] SHALLOW [x]
WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1271.4'
DISTRICT: SANDHILL COUNTY: MARSHALL QUADRANGLE: VALLEY GROVE, WV
SURFACE OWNER: BARRY A. & KIMBERLY S. LITMAN ACREAGE: ±159.776
OIL & GAS ROYALTY OWNER: BARRY A. & KIMBERLY S. LITMAN ACREAGE: ±159.776
DRILL [x] DRILL DEEPER [] REDRILL [] FRACTURE OR STIMULATE [x] PLUG OFF OLD FORMATION [] PERFORATE NEW FORMATION []
CONVERT [] PLUG & ABANDON [] CLEAN OUT & REPLUG [] OTHER CHANGE [] (SPECIFY)
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 3,405 TMD - 21,379 TMD

WELL OPERATOR: EXPAND OPERATING 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

Table with 2 columns: LEGEND (Proposed Surface Hole, Existing Wellhead, LPL, Existing Water Well, Existing Spring) and REVISIONS/DATE.

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

04/03/2026

REVISIONS:		COMPANY:			
		OPERATOR'S MICHAEL SOUTHWORTH MSH		API #:	DATE: 03-13-2026
		WELL #: 5H		47-051-02569	DRAWN BY: N. MANO
		DISTRICT: SANDHILL		STATE: WV	SCALE: N/A
		COUNTY: MARSHALL		DRAWING NO:	
				WELL LOCATION PLAT 2	

**JACKSON SURVEYING
INC.**

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


WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	LITMAN BARRY A & KIMBERLY S (S/R)	12-2-10
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	REINEKE RICHARD S (S)	12-2-9
3	LITMAN JAMES M & LUCY A (S)	12-2-16.1
4	LITMAN JAMES L ET UX - TOD (S)	12-2-1
5	L WHITE PROPERTIES LLC (S)	6-T18-2
6	GARRETT HAROLD R III & C A (S)	6-T18-1.1
7	PAVILACK DEBORAH (S)	6-T18-1
8	GARRETT HAROLD R III & CONNIE (S)	6-T18-1.2
9	MCNINCH MELINDA D (S)	6-T12-51
10	PELLARIN CODY M & MARIAH L (S)	6-T12-46
11	PELLARIN RICHARD L (S)	6-T12-46.1
12	ILOVAR MICHELLE E & WOOD ROBT L & CANDACE J (OCC) (S)	6-T12-48.3
13	KULL SCOTT D & CATHERINE J (S)	6-T12-32
14	WEST VIRGINIA DEPART OF HWYS (S)	6-T12-31
15	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS (S)	1-70
16	SMITH PATRICIA LYNN - TOD (S)	7-TW2-86
17	PALMER MICHAEL A & L S (S)	7-TW2-85
18	WEST VIRGINIA DEPART OF HWYS (S)	7-TW2-57
19	MIDDLE CREEK GARAGE INC (S)	7-TW2-23
20	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS (S)	NATIONAL ROAD
21	KOSEM KEVIN S & BRENDA A (S)	7-TW2-11.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
M2	R&J SMITH FARM LLC	6-T12-9.4
N2	TWEEDLIE JOSEPH M	6-T12G-76
O2	SKAGGS MARY H & JOHN	6-T12G-77
P2	LEWIS DANIEL K & S L	6-T12G-77.2
Q2	ALTMAN FRANCIS & ET A	6-T12G-75.2
R2	FRANCO RICHARD PAUL & DEBORAH LYNN FRANCO	6-T12G-78
S2	SMITH PATRICIA L - TOD	7-TW2-86.1
T2	BLACK RANDY L & DAWN M - TOD	7-TW2-88
U2	WRIGHT JOYCE A & MICHAEL S	7-TW2-89
V2	ADKINS CLIFTON M	7-TW2-90.1
W2	HOSKINS ERIC	7-TW2-55
X2	ZOECKLER ARTHUR W	7-TW2-54
Y2	ZOECKLER ARTHUR W	7-TW2-54.1
Z2	CLEVINGER AMANDA	7-TW2-53
A3	DOWDELL LARRY G & CLARK MARSHA A	7-TW2-52
B3	DOWDELL LARRY G & CLARK MARSHA A	7-TW2-52.1
C3	KENT ROGER L SR & KENT VIRGINI; KENT ROGER L JR & MELINDA	7-TW2-48.1
D3	KENT ROGER L SR & KENT VIRGINI; KENT ROGER L JR & MELINDA	7-TW2-45
E3	TEMPLIN CRAIG	7-TW2-44
F3	BITZER JOHNNY C JR	7-TW2-40
G3	DOCK REALTY LLC	7-TW2-30
H3	FRYE AMY M & DOROTHY V FRYE	7-TW2-5
I3	PUSZ RICHARD & ANUSH A; DH PUSZ R 807/332	7-TW2-6
J3	KOSEM KEVIN S & BRENDA A	7-TW2-7
K3	MILLIKEN GLORIA	7-TW2-8
L3	MIDDLE CREEK GARAGE INC	7-TW1-20
M3	MIDDLE CREEK GARAGE INC	7-TW1-19
N3	THALMAN VICTORIA LEE - TOD	7-TW2-12
O3	MIDDLE CREEK STORAGE INC	7-TW2-23.2
P3	MIDDLE CREEK GARAGE INC	7-TW2-17
Q3	MIDDLE CREEK GARAGE INC	7-TW2-18
R3	MIDDLE CREEK GARAGE INC	7-TW2-19
S3	MIDDLE CREEK GARAGE INC	7-TW2-20
T3	MIDDLE CREEK GARAGE INC	7-TW1-14
U3	MIDDLE CREEK GARAGE INC	7-TW1-13
V3	MIDDLE CREEK GARAGE INC	7-TW1-12
W3	MIDDLE CREEK GARAGE INC	7-TW1-11
X3	YOHO JEFFREY CARL	7-TW1-23
Y3	YOHO JEFFREY CARL	7-TW1-24
Z3	NIEHAUS LINDA D & ROBERT E	7-TW1-21
A4	MIDDLE CREEK GARAGE INC	7-TW4-91
B4	BOWMAN BARBARA TRUSTEE; B J HOWE FAMILY TRUST 2014	7-TW4-90
C4	BLEIFUS TIRE SERVICES INC	7-TW4-89
D4	BLEIFUS SHARON K & LEO A JR; TRUSTEES OF INTER VIVOS TRUST	7-TW4-134
E4	BLEIFUS TIRE SERVICES INC	7-TW4-88
F4	BLEIFUS TIRE SERVICE INC	7-TW4-92
G4	MIDTOWN MOBILE HOMES INC	7-TW4-93
H4	K & B RENTALS LLC	7-TW4-124
I4	SHAW JAMES AND MARY ANN	7-TW4-98
J4	SHAW JAMES E	7-TW4-99
K4	WHALEY GEORGIA	7-TW4-101
L4	FIRST CHURCH OF GOD TRUSTEES	7-TW4-100
M4	WHALEY GEORGIA A H	7-TW4-105
N4	FIRST CHURCH OF GOD CAMP TWO	7-TW4-104
O4	BIDDINGS SR MOSES AND FIRST CHURCH OF GOD TRUSTEES	7-TW1-25
P4	MIDDLE CREEK GARAGE INC	7-TW2-58
Q4	BSG REAL ESTATE HOLDINGS LLC	7-TW2-72
R4	BSG REAL ESTATE HOLDINGS LLC	7-TW2-73
S4	WEST VIRGINIA DEPART OF HWYS	7-TW2-57.1
T4	CUNNINGHAM NICHOLE R	7-TW5-20
U4	SHEARER BILLY J - TOD	7-TW5-21
V4	LICHWA ERIC	7-TW6-1
W4	WILHELM JESSICA E	7-TW6-2
X4	BOARD OF EDUCATION	7-TW6-3
Y4	SINGER MARK A	6-T12-33
Z4	MARSHALL GERALD N	6-T12-33.1
A5	HACKENBERG TAMMY J & ROBERT P	6-T12-45
B5	CONNOR CAROL L	6-T12-52
C5	BEITER DANIEL J & STEPHANIE N	6-T12-46.2
D5	WESBANCO TRUST & INVESTMENT; TTEE FORSHEY, JOSEPH PAUL	6-T12-47
E5	MIDDLE CREEK GARAGE INC	6-T13-3
F5	HARTZELL KENNETH C	6-T12-51.1
G5	HARTZELL KENNETH C	6-T12-51.2
H5	HILLTOP COMMUNITY ASSN	6-T13-4
I5	OHIO VALLEY IND & BUS DEV CORP	6-T13-26
J5	NOLAN JOHN W SR ET AL	6-T13-2.2
K5	MCCORD JOHN EDWARD - TOD	6-T13-2.6
L5	MCCORD JOHN EDWARD - TOD	6-T13-2.3
M5	MCCORD SETH AND HEATHER	6-T13-2.4
N5	CLUTTER-DONATO MICHELLE L	6-T13-2.5
O5	THOMS WILLIAM JEFFREY	6-T18-3
P5	SNYDER RONALD J & P A	6-T18-3.4
Q5	L WHITE PROPERTIES LLC	6-T18-3.2
R5	KERCHER TIMOTHY LEE	6-T18-3.3
S5	FISCHER CHARLES D JR	6-T18-4
T5	KERCHER TIMOTHY LEE	6-T18-2.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	REINEKE SEAN P	6-T18-5
B	TAYLOR PEARL A	12-2-21
C	LIEBERS CHRISTOPHER J	12-2-20
D	LIEBERS CHRISTOPHER J	12-2-19
E	SEIDLER ROBERT T ET UX	12-2-17
F	VELLENOWETH SCOTT U ET UX	12-2-1.1
G	LITMAN BARRY A	12-2-10.2
H	RADCLIFFE JOHN D & ANNA M	12-2-10.1
I	BLATT THERESA L	12-2-23
J	BAIRD FAMILY TRUST	12-2-2
K	GREGORY DONNA R - TOD	12-2-9.1
L	REINEKE RICHARD S	12-2-9.2
M	TUBAUGH NORMA HUNTER ET AL	12-2-5
N	TDL&G LLC	12-2-8
O	G F P CORP	12-2-12
P	WV BRIGHTMONT LLC	12-2-14
Q	EDGE WILLIAM F JR - TOD ET AL	12-2-15
R	EDGE WILLIAM F JR - TOD ET AL	12-2-16
S	LEMLEY THOMAS A ET UX	12-2-16.3
T	EDGE DAVID W & THERESA T	12-2-16.5
U	WV BRIGHTMONT LLC	12-2-16
V	WV BRIGHTMONT LLC	12-2-15
W	MCNINCH KENNETH L JR & CAROL HOLMES	12-2-14
X	LENZ PATRICK J	12-1-14.1
Y	LENZ PATRICK J	12-1-46
Z	CARLSON JAMES L	6-T17-13
A2	BARNETT GARY W	6-T17-13.13
B2	OPIC RICHARD A SR	6-T17-13.14
C2	SACCO STEVEN S & KELLY B	6-T17-13.11
D2	SACCO SYLVIA A ET AL	6-T17-13.10
E2	BARRY SUZANNE - TOD	6-T12-50
F2	BRYANT GARY VERNON & LINDA PAIGE BRYANT LIVING TRST	6-T12-48
G2	HENDERSON KAYLA R	6-T12-48.1
H2	VARGO CHAS P & C J	6-T12-48.2
I2	SERIG SUELLYN M	6-T12-48.4
J2	BLAKE GRACE	6-T12-14.4
K2	BLAKE MITCHELL	6-T12-14.2
L2	BLAKE RYAN	6-T12-14.3

*Highlighted Parcels may be impacted during drilling.

04/03/2026

REVISIONS:	COMPANY:		
			
	OPERATOR'S MICHAEL SOUTHWORTH MSH	API #: 47-051-02569	DATE: 03-13-2026
	WELL #: 5H		DRAWN BY: N. MANO
	DISTRICT: SANDHILL	COUNTY: MARSHALL	SCALE: N/A
		STATE: WV	DRAWING NO: WELL LOCATION PLAT 3