



The intent of this map is for general reference only. Information on this map was created using the best available data at the time but is not guaranteed accurate.

Water Purveyor Map		Well Pad: Betty Schafer	County: Marshall
Radius - 1500 ft	Map by: youngst Nad 83 UTM Z one 17	Date: 6/12/2023 	Spring Water Well Pond 1 inch = 472 feet

07/24/2026

Latitude: 40°00'00"

SURFACE HOLE 2,938'

Latitude: 39°57'30"

BOTTOM HOLE 3,717'

JACKSON SURVEYING
INC.

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

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,426,817.486
EASTING: 531,118.802

LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,426,461.062
EASTING: 530,455.779

BOTTOM HOLE LOCATION (BHL):

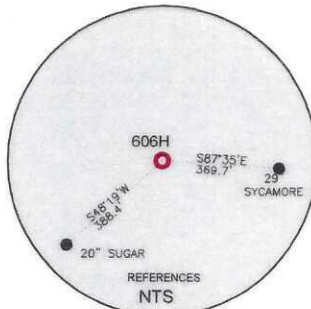
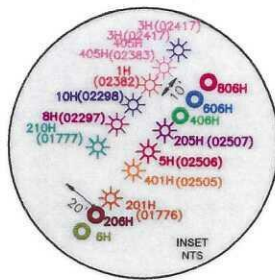
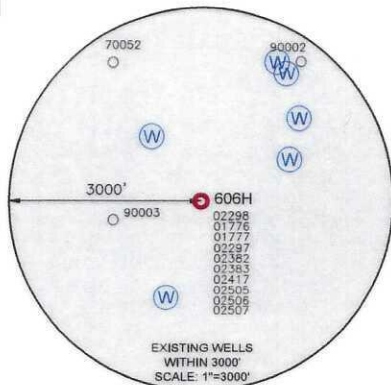
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,419,258.014
EASTING: 534,473.660

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 75°29'46" W	831.86'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	S 57°23'23" E	1688.29'	SHL TO LANDMARK	FD. 5/8" REBAR
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 61°44'19" W	2469.66'	3158.47'	SHL TO LPL



SHL

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



BHL

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.
3. 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

COMPANY:

expand



(+) 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 GRADE GPS ELEVATION: (NAVD 88, US FT)

BETTY SCHAFER MSH
OPERATOR'S WELL #: 606H
API WELL #: 47 051 02583
STATE COUNTY PERMIT

WELL TYPE: OIL ☐ WASTE DISPOSAL ☐ PRODUCTION ☒ DEEP ☐ GAS ☒ LIQUID INJECTION ☐ STORAGE ☐ SHALLOW ☒
WATERSHED: WHEELING CREEK (HUC-10) ELEVATION: 848.4'
DISTRICT: SAND HILL COUNTY: MARSHALL QUADRANGLE: MOUNDSVILLE, WV
SURFACE OWNER: APPALACHIA MIDSTREAM SERVICES ACREAGE: ±205.06
OIL & GAS ROYALTY OWNER: BRENDA M. SCHAFER & ROY ALVIN SCHAFER, JR. 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) 07/24/2026
TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,237 TVD 34,309 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

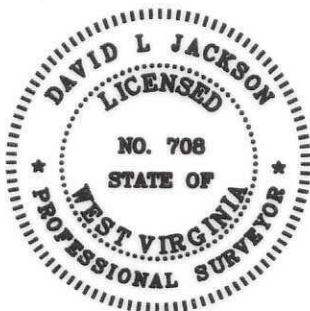
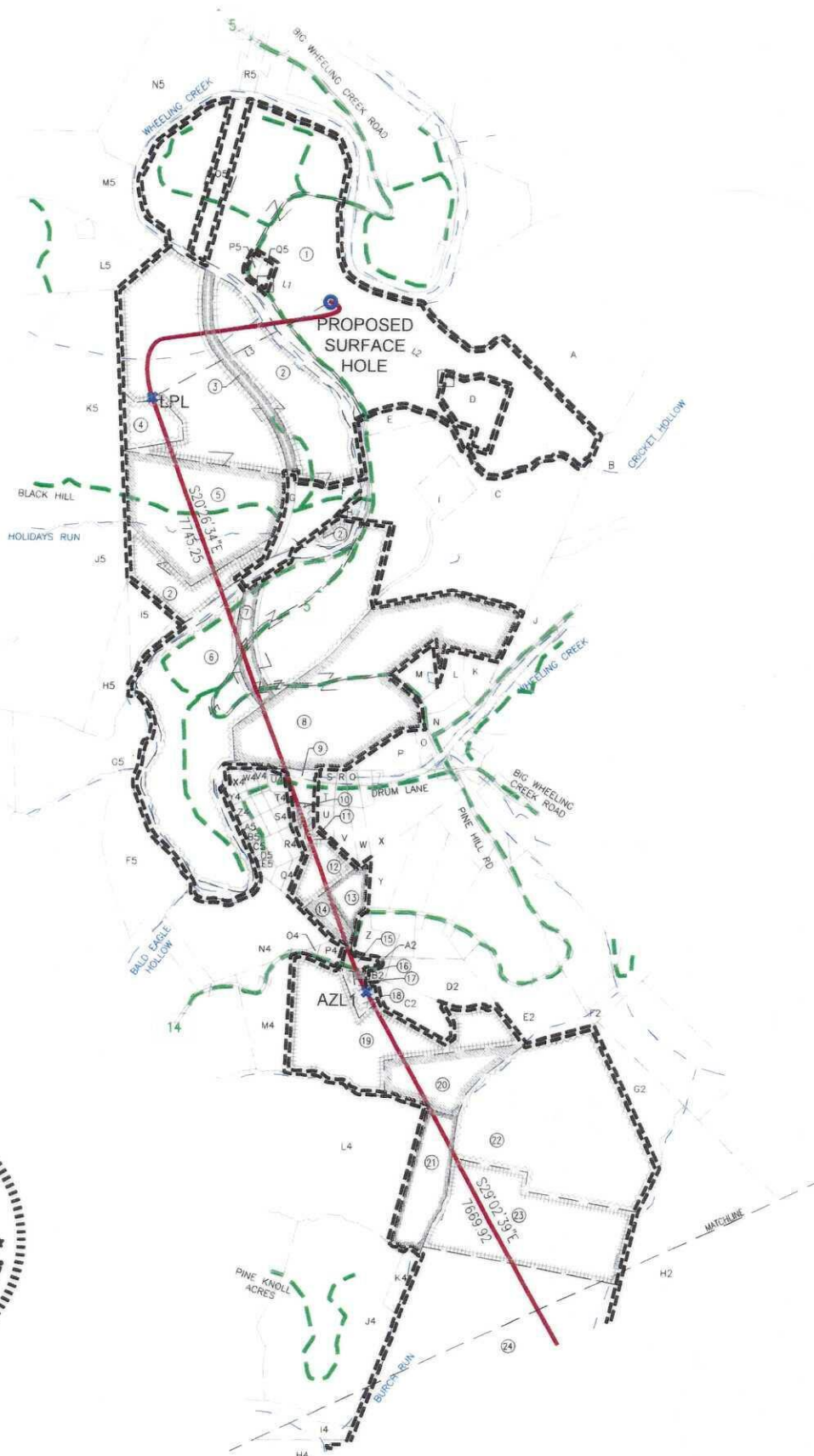
LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL: LANDING POINT LOCATION
- EXISTING WATER WELL
- EXISTING SPRING
- SURVEYED BOUNDARY
- DRILLING UNIT
- LEASE BOUNDARY
- PROPOSED PATH

REVISIONS:

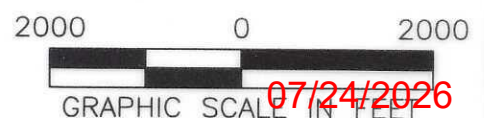
DATE: 02-16-2026
DRAWN BY: N. MANO
SCALE: 1" = 2000'
DRAWING NO:
WELL LOCATION PLAT

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



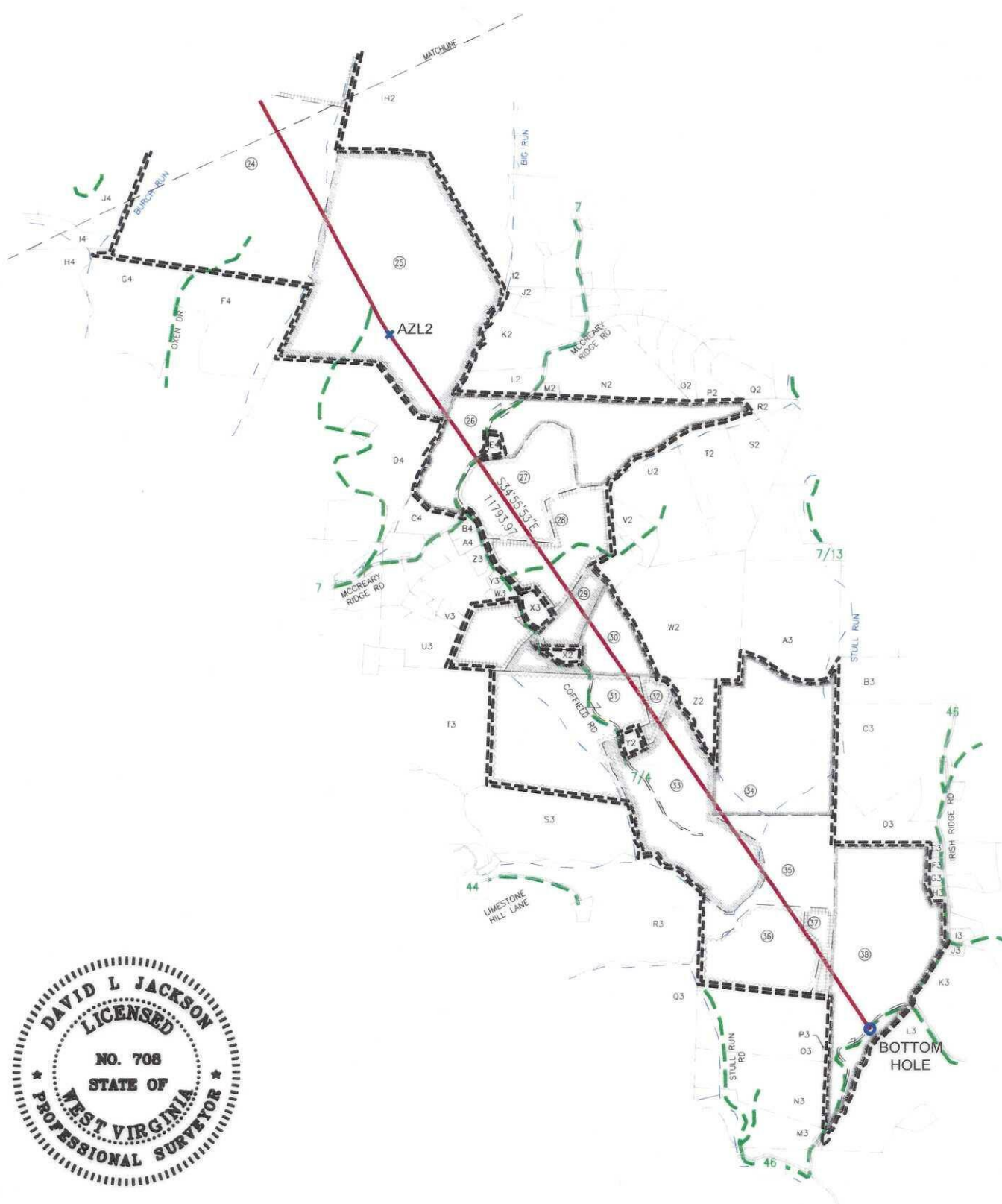
P.S. 708

DEPARTMENT OF ENVIRONMENTAL PROTECTION.
David L Jackson



REVISIONS: 47-051-02583 	COMPANY: 		
	OPERATOR'S BETTY SCHAFFER MSH WELL #: 606H	API # 47-051-	DATE: 02-16-2026
	DISTRICT: SAND HILL	COUNTY: MARSHALL	DRAWN BY: N. MANO
		STATE: WV	SCALE: 1" = 2000'
			DRAWING NO: WELL LOCATION PLAT 2

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



P.S. 708

David L Jackson

07/24/2026

REVISIONS: 47-051-02583 	COMPANY: expand		
	OPERATOR'S BETTY SCHAFFER MSH WELL #: 606H	API # 47-051-	DATE: 02-16-2026 DRAWN BY: N. MANO
	DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV SCALE: N/A DRAWING NO: WELL LOCATION PLAT 3

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	APPALACHIA MIDSTREAM SERVICES (S)/SCHAFER BRENDA M. & SCHAFER ROY ALVIN JR. (R)	12-9-22
TRACT	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	OHIO COUNTY COAL RESOURCES INC (S)	13-8-3.1
6	MEADOW LAKE CLUB CO (S)	12-10-2
7	MEADOW LAKE CLUB CO (S)	12-10-3
8	WILSON RUSSELL ROBERT II & ZUREK CHRISTINE (S)	12-10-4
9	STILLWELL ROBERT L - LIFE (S)	13-9A-30
10	TEUFEL JENNIFER (S)	13-9-16
11	JOCHUM BRUCE A ET UX (S)	13-9A-37
12	TEUFEL JENNIFER (S)	13-9-16
13	SHAW JEFFERY WILLIAM & VICKIE (S)	13-9-16.6
14	RICHARDSON CHRIS A ET UX (S)	13-9-16.5
15	PATTERSON ERIC L (S)	13-9-23.5
16	WEST NANCY L (S)	13-9-23.2
17	WEST NANCY L (S)	13-9-22.2
18	BERTRAM LUKE D & ALISON M (S)	13-9-22
19	BERTRAM LUKE D & ALISON M (S)	13-9-23
20	BERTRAM LUKE D & ALISON M (S)	13-14-19
21	EQT PRODUCTION COMPANY (S)	13-14-20
22	WHITLATCH DEBORAH S. & HARRIS BRENDA J EST (S)	15-1-22
23	EQT PRODUCTION COMPANY (S)	15-2-1
24	EQT PRODUCTION COMPANY (S)	15-2-16
25	SNYDER HARRY BRENT (S)	12-2-15
26	ECO-VRINDABAN INC (S)	15-2-13
27	PARSONS HAROLD A (S)	5-2-13.1
28	BOCK THOMAS A ET UX (S)	15-7-22
29	BOCEK LORRAINE D & KEITH C -TOD (S)	15-7-23.3
30	HASLAM LORRAINE & SRI (S)	15-7-23
31	COFFIELD WILLIAM E & BRENDA K (S)	15-7-27
32	RICE STEVEN T & TAMMIE R (S)	15-7-26.2
33	LAWHEAD JUDITH & DEBORAH HOLDREN (S)	15-7-26
34	COFFIELD WILLIAM E & BRENDA K ET AL (S)	15-6-16
35	SCHRACK DAVID W (S)	15-7-30
36	SCHRACK TROY D (S)	15-9-1
37	SCHRACK DAVID W (S)	15-9-1.1
38	SIBURT RICHARD A ET UX (S)	15-9-11

07/24/2026

REVISIONS:	47-051-02583	COMPANY:		
		OPERATOR'S	BETTY SCHAFER MSH	API #
		WELL #:	606H	47-051-
		DISTRICT:	SAND HILL	COUNTY:
				MARSHALL
		STATE:	WV	DATE: 02-16-2026
				DRAWN BY: N. MANO
				SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 4

JACKSON SURVEYING
INC.

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

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	FISHER CHARLES B & CARLA S	12-9-20
B	MERINAR CALVIN C - LIFE	12-9-19
C	FISH PATRICIA A & FREDERICK W	12-10-1.2
D	OHIO COUNTY COAL RESOURCES INC	12-9-22.2
E	ROMAN EUGENE H	12-10-1
F	OHIO COUNTY COAL RESOURCES INC	12-8-3.2
G	OHIO COUNTY COAL RESOURCES INC	13-8-4.1
H	CNX LAND LLC	12-10-1.3
I	OHIO COUNTY COAL RESOURCES INC	12-10-1.1
J	GEETA	15-1-2
K	WILSON PHILIP C ET UX	12-10-4.3
L	WILSON CHARLES H EST	12-10-4.1
M	HICKS ROBT P & JANICE A	12-10-5
N	WILSON PHILIP C ET AL	12-10-6
O	WILSON PHILIP C & NANCY L	12-10-4.5
P	WILSON RUSSELL ROBERT II & ZUREK CHRISTINE	12-10-4.4
Q	JOCHUM MARK SCOTT	13-9A-26
R	POMPEO MICHAEL J & ELIZABETH	13-9A-23
S	JOCHUM BRUCE & SALLY	13-9A-22
T	JOCHUM BRUCE	13-9A-21
U	JOCHUM BRUCE	13-9A-32
V	POMPEO MICHAEL J & ELIZABETH	13-9A-33
W	JOCHUM MARK SCOTT	13-9A-31
X	LYNSKY JOHN T ET UX	13-9-16.1
Y	SHAW JEFFERY	13-9-16.4
Z	EWING ALICE M - LIFE	13-9-20.1
A2	SHIPMAN CARRIE A ET AL	13-9-19
B2	WEST NANCY L	13-9-22.1
C2	WEST NANCY L	13-9-23.3
D2	SHIPMAN CARRIE A ET AL	13-9-21
E2	WHITLATCH DEBORAH S & BRENDA J HARRIS	13-9-18
F2	STATE OF W VA THE CONSER COMM	15-1-5.1
G2	WHITLATCH DEBORAH S & HARRIS BRENDA J EST	15-1-21
H2	ISKCON - NEW MATHURA VRINDABAN	15-2-2
I2	ISKCON NEW VRINDABAN INC	15-2-5
J2	ONE WORLD ONE FAMILY SPIRITUAL SOCIETY INC	15-2-8.3
K2	ONE WORLD ONE FAMILY SPIRITUAL SOCIETY INC	15-2-8
L2	MAHATME HIRA	15-2-9
M2	BRYANT CRINAIN	15-2-10
N2	SEWARD RALPH J & JANE D - TOD	15-2-11
O2	LUKOSEVICIUS GINTARAS	15-2-12.5
P2	BAUER SUSAN - TOD	15-2-12.8
Q2	MOHAN NAITHANI P & RENATA BRUZA	15-2-12.4
R2	COFFIELD CLARENCE EST	15-3-29
S2	MOREAU DENIS J & MARGARET COUTU-MOREAU ET AL	15-7-24.4
T2	ISKCON - NEW MATHURA VRINDABAN	15-7-24
U2	ISKCON - NEW MATHURA VRINDABAN	15-7-24.2
V2	HOUSMAN BRUCE J	15-7-24.3
W2	GEETA	15-7-24.1
X2	HASLAM LORRAINE & SRI	15-7-23.2
Y2	RICE JENNIFER L	15-7-26.1
Z2	COFFIELD WILLIAM E & BRENDA K ET AL	15-7-25
A3	MILLER R CRAIG & DONITA D	15-6-11
B3	FITZSIMMONS MARK B & DEBORAH A - TOD	15-6-15
C3	KAISER JOE M & SHIRLEY A FAMILY REVOCABLE TRUST	15-6-17
D3	LILLEY RONALD E SR - TOD	15-6-17.1
E3	SIBURT RICHARD A & PAULA S	15-9-11.2
F3	MCMILLAN TAMMY JO - LIFE	15-9-11.4

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
G3	MCMILLAN WILLARD L EST	15-9-11.1
H3	MCMILLAN TAMMY JO - LIFE	15-9-11.3
I3	YOHO RONALD LEE & REBECCA A	15-9-12
J3	STROPE MICHAEL A	15-9-10.4
K3	SCOTT GARY R EST	15-9-10.2
L3	HAWKINS GERALD B ET UX	15-9-10.3
M3	SCHRACK DAVID W - RIGHT TO OCCUPY	15-9-4
N3	SCHRACK DAVID W - RIGHT TO OCCUPY	15-9-3
O3	SCHRACK DAVID W - RIGHT TO OCCUPY	15-9-2
P3	MARTIN CEMETERY	15-9-27
Q3	SCHRACK DAVID W	15-8-32
R3	FRIED GABRIEL B	15-7-29
S3	COFFIELD WILLIAM E & BRENDA K	15-7-28
T3	COFFIELD WILLIAM E & BRENDA K	15-7-27
U3	ECO-VRINDABAN INC	15-7-21
V3	SALVI SANDESH & CHARUTA	15-7-21.8
W3	WALKER MARCUS RAINER	15-7-21.7
X3	BURKLE GERALD E ET UX	15-7-22.1
Y3	PATEL MIRABEN & SHYAMSUNDAR & DEVKUMAR	15-7-21.2
Z3	RAMI ANIL	p-o 15-7-21
A4	FINK LAURENCE & NATALIA KISLITSINA	15-2-19
B4	SARKAR SUBHANANDA & MAJUMDER	15-7-21.5
C4	PARSONS NATASHA C	15-2-13.2
D4	SNYDER HARRY B ET UX	15-2-14
E4	VILLA ARTHUR & LINDA	P/O 15-2-13
F4	ECO-VRINDABAN INC	15-2-17.3
G4	PAYNE NORMA C ET AL	15-2-17.4
H4	SMITH RICHARD A	14-5-27
I4	GRAY CAROLYN L	13-14-24.2
J4	HEWITT PAUL	13-14-22
K4	EQT PRODUCTION COMPANY	13-14-21
L4	HALL ALLEN W & MICHELLE S	13-14-18
M4	MCWHORTER WILLIAM L III & CRYSTAL A	13-9-24
N4	MCWHORTER WILLIAM L III & CRYSTAL A	13-9-13
O4	GARDNER ZACHARY R & KUTIS SHANNA	13-9-23.1
P4	GARDNER ZACHARY R & KUTIS SHANNA	13-9-23.4
Q4	TEUFEL JENNIFER	13-9A-35
R4	TEUFEL JENNIFER	13-9A-38
S4	TRABERT BETTY JO	13-9A-7
T4	TRABERT BETTY JO	13-9A-8
U4	CUNNINGHAM ROBERT T & MARY C	13-9A-20
V4	CUNNINGHAM ROBERT T & MARY C	13-9A-19
W4	CUNNINGHAM ROBERT TERRY	13-9A-16
X4	JUREK EDWARD PAUL JR & TAMELA S	13-9A-15
Y4	WEST JONATHAN SCOTT	13-9A-13
Z4	REAM FRED M & JUDITH P	13-9A-12
A5	KIRCHNER GREGORY A & RYAN T	13-9A-4
B5	WHITE GLENN E & MARTHA R - TOD	13-9A-4.1
C5	HUTCHISON J ROBERT	13-9A-3
D5	NEIDHARDT CHRISTOPHER E - TOD	13-9A-2
E5	NEIDHARDT CHRISTOPHER E - TOD	13-9A-2.1
F5	MARSHALL LAND LLC	13-9-12
G5	CUNNINGHAM BESSIE JANE	13-9-11
H5	DEBOLT JANICE	13-9-2
I5	DEBOLT JANICE	13-9-1
J5	CUNNINGHAM GEORGE A	13-9-3
K5	KINNEER VERNON A JR & JAMIE	13-8-6
L5	BLACK BONNIE J TRUST	13-8-2
M5	HART JOHN J & RENEE A	13-8-2.1
N5	GRAY JUDY C	13-3-14
O5	APPALACHIA MIDSTREAM SERVICES LLC	12-9-24
P5	APPALACHIA MIDSTREAM SERVICES LLC	12-9-23
Q5	APPALACHIA MIDSTREAM SERVICES LLC	12-9-22.1
R5	GRAY JUDY C	13-3-13

07/24/2026

REVISIONS:	47-051-02583	COMPANY:		
		OPERATOR'S	BETTY SCHAFFER MSH	API #
		WELL #:	606H	47-051-
		DISTRICT:	SAND HILL	COUNTY:
				MARSHALL
		STATE:	WV	DATE: 02-16-2026
				DRAWN BY: N. MANO
				SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 5