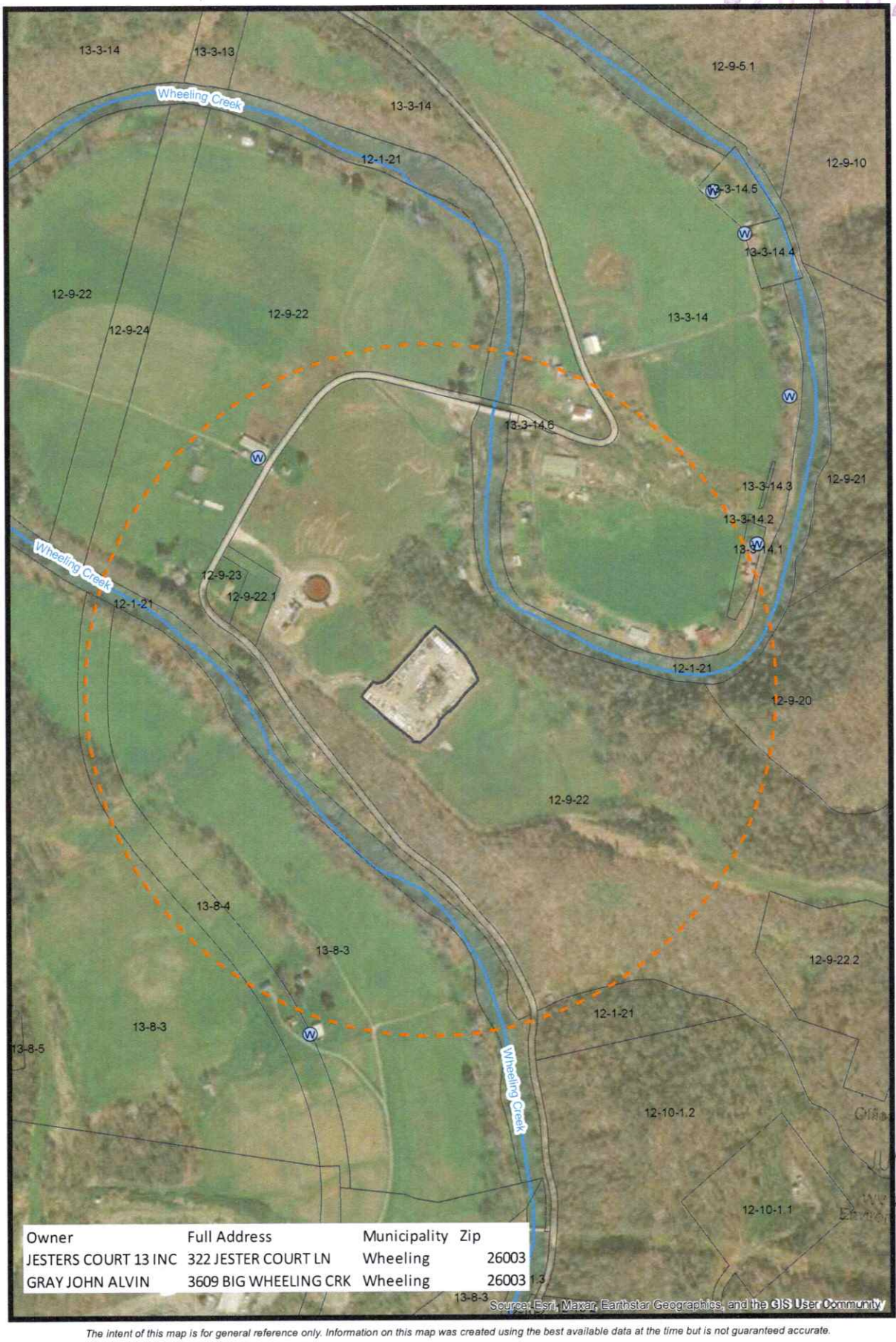
4705102582



Owner	Full Address	Municipality	Zip
JESTERS COURT 13 INC	322 JESTER COURT LN	Wheeling	26003
GRAY JOHN ALVIN	3609 BIG WHEELING CRK	Wheeling	26003 1 3

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	Date: 6/12/2023
Nad 83 UTM Z one 17	expand

Water Sources
- Spring
- Water Well
- Pond

1 inch = 472 feet

0 165 330 660 990 1,320

RECEIVED
Office of Oil and Gas
JUN 23 2026
WV Department of Environmental Protection

07/24/2026

Latitude: 40°00'00" SURFACE HOLE 2,945'

Latitude: 39°57'30" BOTTOM HOLE 3,037'

SURFACE HOLE 3,301'

Longitude: 80°37'30"

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

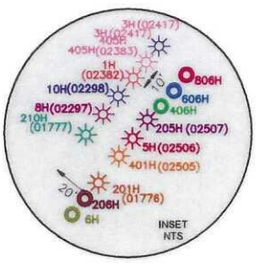
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,815.142 EASTING: 531,116.858
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,426,545.187 EASTING: 530,668.834
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,419,500.940 EASTING: 534,679.705

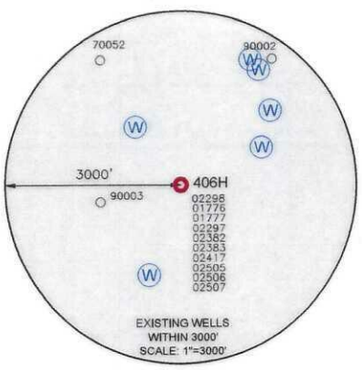
SHL

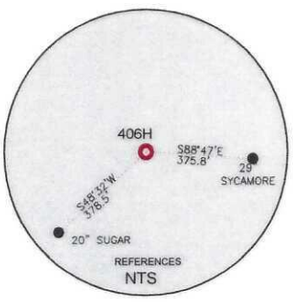
LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 74°52'12" W	827.65'	SHL TO LANDMARK	FD. 5/8" REBAR
L2	S 57°43'34" E	1689.55'	SHL TO LANDMARK	FD. 5/8" REBAR
L4	S 30°16'04" E	1540.65'	AZL1 TO AZL2	

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 58°55'44" W	1716.10'	2210.85'	SHL TO LPL

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







BHL

BOTTOM HOLE 12,179'

Longitude: 80°35'00"

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

DAVID L JACKSON LICENSED NO. 708 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

OPERATOR'S WELL #: BETTY SCHAFER MSH 406H

API WELL #: 47 (STATE) 051 (COUNTY) 02582 (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: 6,238 TVD 33,449 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

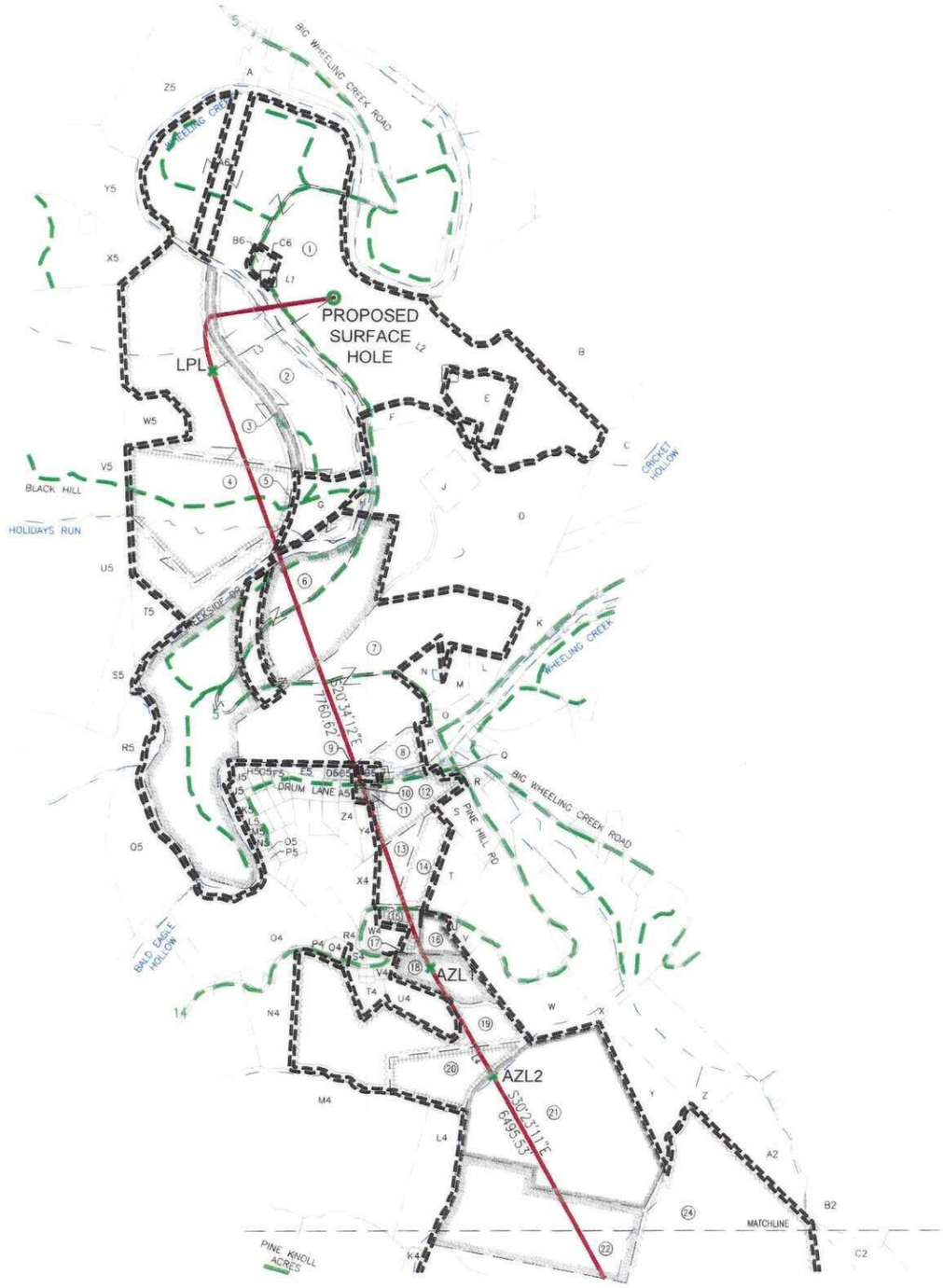
LEGEND:
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- EXISTING / PRODUCING WELLHEAD
- LPL LANDING POINT LOCATION
- (W) EXISTING WATER WELL
- (S) EXISTING SPRING
- SURVEYED BOUNDARY
- DRILLING UNIT
- LEASE BOUNDARY
- PROPOSED PATH

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

Z:\2026 BACKUPS\1-02-26 DJ\EXPAND\BETTY SCHAFER\BETTY SCHAFER\WELL PLAT\406H\FINAL\SCHAFER 406H 2-16-26\B.SCHAFER MSH 406H WELL PLAT 2-16-26.DWG
MONDAY FEBRUARY 16 2026 08:50AM

PROPERTY NUMBER 675884
PAD ID 3001161677

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



DAVID L JACKSON
LICENSED
NO. 708
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

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

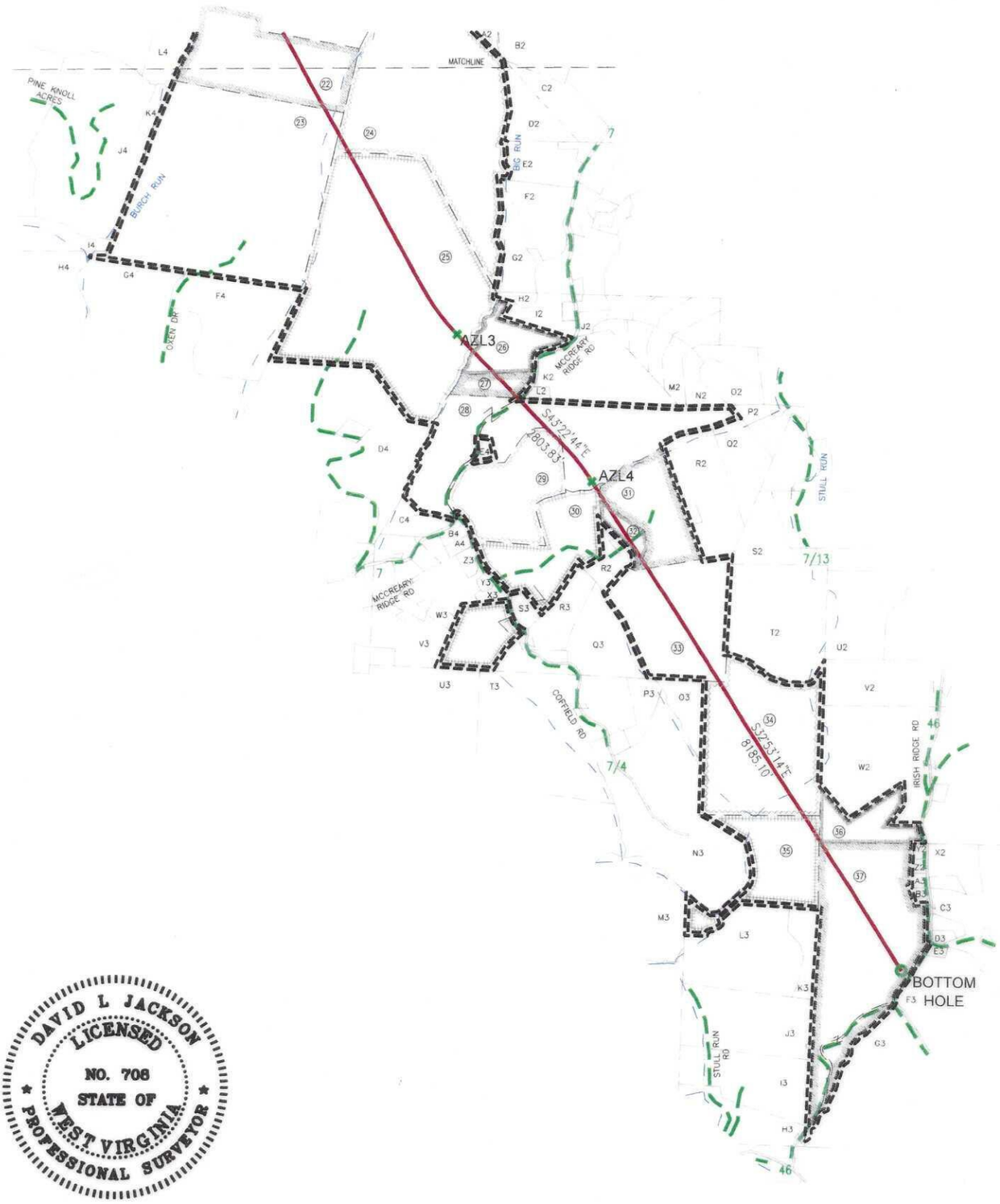
2000 0 2000
GRAPHIC SCALE IN FEET

07/24/2026

REVISIONS: 47-051-02582	COMPANY: expand		
OPERATOR'S WELL #: BETTY SCHAFER MSH 406H		API # 47-051-	DATE: 02-16-2026
DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV	DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT 2

Z:\2026 BACKUPS\1-02-26 DJ\EXPAND\BETTY SCHAFER\BETTY SCHAFER\WELL PLAT\406H\FINAL\SCHAFER 406H 2-16-26\B.SCHAFER MSH 406H WELL PLAT 2-16-26.DWG
MONDAY FEBRUARY 16 2026 08:52AM

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



DAVID L JACKSON
LICENSED
NO. 708
STATE OF
WEST VIRGINIA
PROFESSIONAL SURVEYOR

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

P.S. 708 David L Jackson

07/24/2026

REVISIONS: 47-051-02582	COMPANY: expand			
OPERATOR'S WELL #:	BETTY SCHAFER MSH 406H		API # 47-051-02582	DATE: 02-16-2026
DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV		DRAWN BY: N. MANO
				SCALE: N/A
				DRAWING NO:
				WELL LOCATION PLAT 3

Z:\2026 BACKUPS\1-02-26 DJ\EXPAND\BETTY SCHAFER\BETTY SCHAFER\WELL PLAT\406H\FINAL\SCHAFER 406H 2-16-26\B.SCHAFER MSH 406H WELL PLAT 2-16-26.DWG
MONDAY FEBRUARY 16 2026 08:52AM

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	OHIO COUNTY COAL RESOURCES INC (S)	13-8-3.1
5	OHIO COUNTY COAL RESOURCES INC (S)	13-8-4.1
6	MEADOW LAKE CLUB CO (S)	12-10-2
7	WILSON RUSSELL ROBERT II & ZUREK CHRISTINE (S)	12-10-4
8	WILSON RUSSELL ROBERT II & ZUREK CHRISTINE (S)	12-10-4.4
9	JOCHUM MARK SCOTT (S)	13-9A-26
10	JOCHUM MARK SCOTT (S)	13-9A-25
11	LYNSKEY JOHN (S)	13-9A-28
12	LYNSKY JOHN T ET UX (S)	13-9-16.1
13	SHAW JEFFERY	13-9-16.4
14	QUINN KEVIN T ET UX	13-9-16.2
15	SHIPMAN CARRIE A	13-9-20
16	GARDNER ZACHARY R	13-9-20.2
17	SHIPMAN CARRIE A ET AL	13-9-19
18	SHIPMAN CARRIE A ET AL	13-9-21
19	BERTRAM LUKE D & ALISON M	13-9-23
20	BERTRAM LUKE D & ALISON M	13-14-19
21	WHITLATCH DEBORAH S & HARRIS BRENDA J EST	15-1-22
22	EQT PRODUCTION COMPANY	15-2-1
23	EQT PRODUCTION COMPANY	15-2-16
24	ISKCON - NEW MATHURA VRINDABAN	15-2-2
25	SNYDER HARRY BRENT	15-2-15
26	ONE WORLD ONE FAMILY SPIRITUAL SOCIETY INC	15-2-8
27	MAHATME HIRA	15-2-9
28	ECO-VRINDABAN INC	15-2-13
29	PARSONS HAROLD A	15-2-13.1
30	BOCK THOMAS A ET UX	15-7-22
31	ISKCON - NEW MATHURA VRINDABAN	15-7-24.2
32	HOUSMAN BRUCE J	15-7-24.3
33	GEETA	15-7-24.1
34	COFFIELD WILLIAM E & BRENDA K ET AL	15-6-16
35	SCHRACK DAVID W	15-7-30
36	LILLEY RONALD E SR - TOD	15-6-17.1
37	SIBURT RICHARD A ET UX	15-9-11

07/24/2026

REVISIONS: 47-051-02582	COMPANY: expand		
OPERATOR'S WELL #: BETTY SCHAFER MSH 406H		API # 47-051-	DATE: 02-16-2026
DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV	DRAWN BY: N. MANO SCALE: N/A DRAWING NO: WELL LOCATION PLAT 4

Z:\2026 BACKUPS\1-02-26 DJ\EXPAND\BETTY SCHAFER\BETTY SCHAFER\WELL PLAT\406H\FINAL\SCHAFER 406H 2-16-26\B.SCHAFER MSH 406H WELL PLAT 2-16-26.DWG
MONDAY FEBRUARY 16 2026 08:55AM

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

	ADJOINING OWNERS TABLE	
TRACT	SURFACE OWNER	TAX PARCEL
A	GRAY JUDY C	13-3-13
B	FISHER CHARLES B & CARLA S	12-9-20
C	MERINAR CALVIN C - LIFE	12-9-19
D	FISH PATRICIA A & FREDERICK W	12-10-1.2
E	OHIO COUNTY COAL RESOURCES INC	12-9-22.2
F	ROMAN EUGENE H	12-10-1
G	OHIO COUNTY COAL RESOURCES INC	13-8-3.2
H	CNX LAND LLC	12-10-1.3
I	MEADOW LAKE CLUB CO	12-10-3
J	OHIO COUNTY COAL RESOURCES INC	12-10-1.1
K	GEETA	15-1-2
L	WILSON PHILIP C ET UX	12-10-4.3
M	WILSON CHARLES H EST	12-10-4.1
N	HICKS ROBT P & JANICE A	12-10-5
O	WILSON PHILIP C ET AL	12-10-6
P	WILSON PHILIP C & NANCY L	12-10-4.5
Q	GEETA	13-9A-29
R	GEETA	15-1-4
S	LYNSKEY JOHN T	13-9-17
T	LYNSKEY MARY D	13-9-16.3
U	GARDNER ROBERT A ET UX	13-9-20.3
V	PLANTS GARY & PAUL	13-9-18.1
W	WHITLATCH DEBORAH S & BRENDA J HARRIS	13-9-18
X	STATE OF W VA THE CONSER COMM	15-1-5.1
Y	WHITLATCH DEBORAH S & HARRIS BRENDA J EST	15-1-21
Z	GEETA	15-1-20
A2	GEETA	15-1-6
B2	ROSE TATIA JOSEPHINE	15-1-19
C2	GAFFOOR SHAM & VIDYA RAMKAREE	15-2-3.8
D2	ISKCON - NEW MATHURA VRINDABAN	15-2-3
E2	ORDONEZ CARLOS	15-2-5.3
F2	WEBER GIRIDHARI D	15-2-5.5
G2	ISKCON NEW VRINDABAN INC	15-2-5
H2	ONE WORLD ONE FAMILY SPIRITUAL SOCIETY INC	15-2-8.3
I2	CONNER LISA M	15-2-8.2
J2	THIBEAULT PATRICIA	15-2-12.1
K2	SEWARD RALPH J & JANE D - TOD	15-2-11
L2	BRYANT CRINAIN	15-2-10
M2	LUKOSEVICIUS GINTARAS	15-2-12.5
N2	BAUER SUSAN - TOD	15-2-12.8
O2	MOHAN NAITHANI P & RENATA BRUZA	15-2-12.4
P2	COFFIELD CLARENCE EST	15-3-29
Q2	MOREAU DENIS J & MARGARET COUTU-MOREAU ET AL	15-7-24.4
R2	ISKCON - NEW MATHURA VRINDABAN	15-7-24
S2	KWIATKOSKI ANGELIQUE A	15-6-10
T2	MILLER R CRAIG & DONITA D	15-6-11
U2	FITZSIMMONS MARK B ET UX - TOD	15-6-12
V2	FITZSIMMONS MARK B & DEBORAH A- TOD	15-6-15
W2	KAISER JOE M & SHIRLEY A FAMILY REVOCABLE TRUST	15-6-17
X2	YOHO DONALD R ET UX	15-9-12.2
Y2	SIBURT RICHARD A & PAULA S	15-9-11.2
Z2	MCMILLAN TAMMY JO - LIFE	15-9-11.4
A3	MCMILLAN WILLARD L EST	15-9-11.1
B3	MCMILLAN TAMMY JO - LIFE	15-9-11.3
C3	YOHO RONALD LEE & REBECCA A	15-9-12
D3	JONES PATRICIA ANN	15-9-12.1
E3	STROPE MICHAEL A	15-9-10.4
F3	SCOTT GARY R EST	15-9-10.2
G3	HAWKINS GERALD B ET UX	15-9-10.3
H3	SCHRACK DAVID W - RIGHT TO OCCUPY	15-9-4
I3	SCHRACK DAVID W - RIGHT TO OCCUPY	15-9-3
J3	SCHRACK DAVID W - RIGHT TO OCCUPY	15-9-2
K3	SCHRACK DAVID W	15-9-1.1
L3	SCHRACK TROY D	15-9-1
M3	FRIED GABRIEL B	15-7-29
N3	LAWHEAD JUDITH & DEBORAH HOLDREN	15-7-26
O3	COFFIELD WILLIAM E & BRENDA K ET AL	15-7-25
P3	RICE STEVEN T & TAMMIE R	15-7-26.2

	ADJOINING OWNERS TABLE	
TRACT	SURFACE OWNER	TAX PARCEL
Q3	HASLAM LORRAINE & SRI	15-7-23
R3	BOCEK LORRAINE D & KEITH C - TOD	15-7-23.3
S3	BURKLE GERALD E ET AL	15-7-22.1
T3	COFFIELD WILLIAM E & BRENDA K	15-7-27
U3	GEETA	15-7-19
V3	ECO-VRINDABAN INC	15-7-21
W3	SALVI SANDESH & CHARUTA	15-7-21.8
X3	WALKER MARCUS RAINER	15-7-21.7
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 SUMON	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	EQT PRODUCTION COMPANY	13-14-20
M4	HALL ALLEN W & MICHELLE S	13-14-18
N4	MCWHORTER WILLIAM L III & CRYSTAL A	13-9-24
O4	MCWHORTER WILLIAM L III & CRYSTAL A	13-9-13
P4	GARDNER ZACHARY R & KUTIS SHANNA	13-9-23.1
Q4	GARDNER ZACHARY R & KUTIS SHANNA	13-9-23.4
R4	RICHARDSON CHRIS A ET UX	13-9-16.5
S4	PATTERSON ERIC L	13-9-23.5
T4	BERTRAM LUKE D & ALISON M	13-9-22
U4	WEST NANCY L	13-9-23.3
V4	WEST NANCY L	13-9-22.1
W4	EWING ALICE M - LIFE	13-9-20.1
X4	SHAW JEFFERY WILLIAM & VICKIE	13-9-16.6
Y4	JOCHUM MARK SCOTT	13-9A-31
Z4	POMPEO MICHAEL J & ELIZABETH	13-9A-33
A5	POMPEO MICHAEL J & ELIZABETH	13-9A-24
B5	LYNSKY JOHN T ET UX	13-9A-27
C5	POMPEO MICHAEL J & ELIZABETH	13-9A-23
D5	JOCHUM BRUCE & SALLY	13-9A-22
E5	STILLWELL ROBERT L - LIFE	13-9A-30
F5	CUNNINGHAM ROBERT T & MARY C	13-9A-20
G5	CUNNINGHAM ROBERT T & MARY C	13-9A-19
H5	CUNNINGHAM ROBERT TERRY	13-9A-16
I5	JUREK EDWARD PAUL JR & TAMELA S	13-9A-15
J5	WEST JONATHAN SCOTT	13-9A-13
K5	REAM FRED M & JUDITH P	13-9A-12
L5	KIRCHNER GREGORY A & RYAN T	13-9A-4
M5	WHITE GLENN E & MARTHA R- TOD	13-9A-4.1
N5	HUTCHISON J ROBERT	13-9A-3
O5	NEIDHARDT CHRISTOPHER E - TOD	13-9A-2
P5	NEIDHARDT CHRISTOPHER E - TOD	13-9A-2.1
Q5	MARSHALL LAND LLC	13-9-12
R5	CUNNINGHAM BESSIE JANE	13-9-11
S5	DEBOLT JANICE	13-9-2
T5	DEBOLT JANICE	13-9-1
U5	CUNNINGHAM GEORGE A	13-9-3
V5	KINNEER VERNON A JR & JAMIE	13-8-6
W5	KINNEER VERNON A JR ET AL	13-8-5
X5	BLACK BONNIE J TRUST	13-8-2
Y5	HART JOHN J & RENEE A	13-8-2.1
Z5	GRAY JUDY C	13-3-14
A6	APPALACHIA MIDSTREAM SERVICES LLC	12-9-24
B6	APPALACHIA MIDSTREAM SERVICES LLC	12-9-23
C6	APPALACHIA MIDSTREAM SERVICES	13-9-22.1

07/24/2026

REVISIONS: 47-051-02582	COMPANY: expand		
OPERATOR'S WELL #: BETTY SCHAFER MSH 406H		API # 47-051-	DATE: 02-16-2026
DISTRICT: SAND HILL	COUNTY: MARSHALL	STATE: WV	DRAWN BY: N. MANO SCALE: N/A DRAWING NO: WELL LOCATION PLAT 5

Z:\2026 BACKUPS\1-02-26 DJ\EXPAND\BETTY SCHAFER\BETTY SCHAFER\WELL PLAT\406H\FINAL\SCHAFER 406H 2-16-26\B.SCHAFER MSH 406H WELL PLAT 2-16-26.DWG
MONDAY FEBRUARY 16 2026 08:55AM