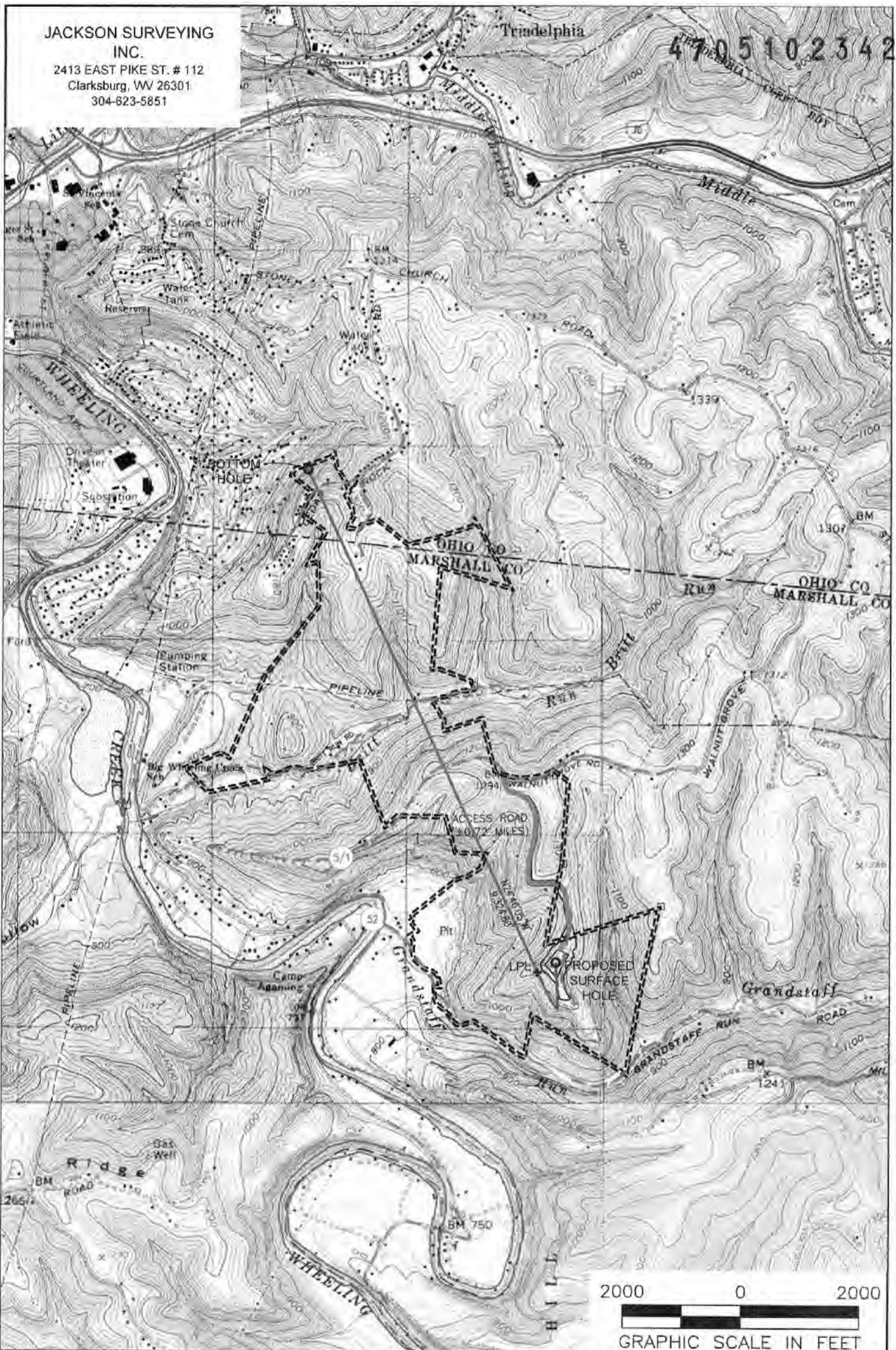


JACKSON SURVEYING
 INC.
 2413 EAST PIKE ST. # 112
 Clarksburg, WV 26301
 304-623-5851

4705102342



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
 ——— ACCESS ROAD
 - - - - PUBLIC ROAD
 ——— ACCESS ROAD TO PREV. SITE
 = = = LEASE BOUNDARY
 ——— PROPOSED PATH

WELL OPERATOR: PRODUCTION COMPANY, LLC S: RT PIERPONT RD., SUITE 200 MORGANTOWN, WV 26508 OWNER: EDGE, JR. & BARBARA EDGE	WELL (FARM) NAME: BW EDGE MSH	WELL # 3H	SERIAL #
	COUNTY - CODE MARSHALL - 051	DISTRICT; SAND HILL	
USGS 7 1/2 QUADRANGLE MAP NAME WHEELING, WV-OHIO		API #:	

Latitude: 40°02'30"

SURFACE HOLE 712'

Latitude: 40°02'30" BOTTOM HOLE

4896'

JACKSON SURVEYING INC.

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

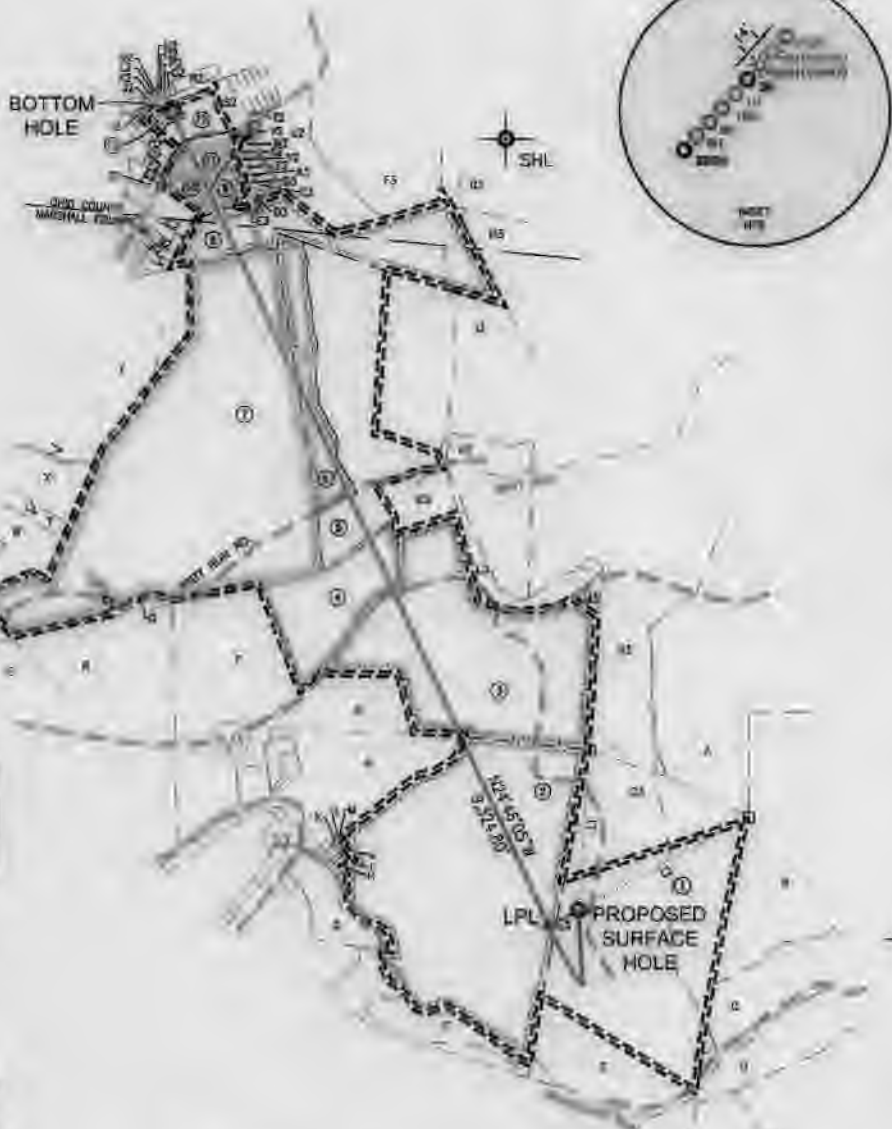
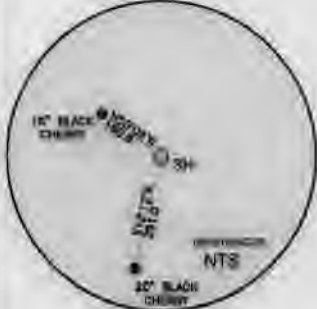
LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 04°13'17" E	1668.17'	SHL TO LANDMARK	5/8" REBAR
L2	N 51°42'10" E	2018.39'	SHL TO LANDMARK	5/8" REBAR
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	S 62°06'19" W	593.06'	1500.81'	SHL TO LPL

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,547.199 EASTING: 531,788.906
LANDING POINT (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,428,496.825 EASTING: 531,894.811
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4,431,077.581 EASTING: 530,504.086

BOTTOM HOLE

SHL

SHL



Longitude: 80°37'30" BOTTOM HOLE 4481'

Longitude: 80°37'30" SURFACE HOLE 12804'

WELL RESTRICTIONS

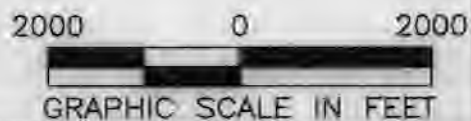
- NO OCCUPIED DWELLINGS > 2000 SQ FT, WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2000 SQ FT, WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERMANENT STREAMS, LAKES, PONDS, OR RESERVOIRS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
- NO GROUND INTAKE OF 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 HEREIN WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
 - THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 - ALL ANGLES ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
- 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.

P.S. 708

David L Jackson



COMPANY: SWN SWN
Production Company, LLC Production 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 SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)

BW EDGE MSH

OPERATOR'S WELL #: 3H

API WELL #: 47 051 02342
STATE COUNTY PERMIT

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

WATERSHED: GRANDSTAFF RUN OF WHEELING CREEK (HUC-10) ELEVATION: 1253.7'

DISTRICT: SAND HILL COUNTY: MARSHALL QUADRANGLE: WHEELING, WV-OHIO

SURFACE OWNER: WILLIAM F. EDGE, JR. & BARBARA EDGE ACREAGE: ±87.8

OIL & GAS ROYALTY OWNER: JOSEPHINE FLETCHER ACREAGE: ±115.8

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,382' TVD 16,170' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: 1300 FORT PIERPONT RD., SUITE 200 ADDRESS: 1300 FORT PIERPONT RD., SUITE 200

CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	REVISIONS:	DATE: 06-12-2020
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	
⊕ EXISTING / PRODUCING WELLHEAD	— DRILLING LIMIT	
LPL LANDING POINT LOCATION	— LEASE BOUNDARY	DRAWN BY: N. MAND
⊙ EXISTING WATER WELL	— PROPOSED PAD	SCALE: 1" = 2000'
⊙ EXISTING SPRING		DRAWING NO:
		WELL LOCATION PLAT

**JACKSON SURVEYING
INC.**

2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851

ADJOINING OWNERS TABLE		
TRACT	Surface owners	TAX PARCEL
A	CHESTER A. GIZA, ET UX	12-1-16
B	CHESTER A. GIZA, ET UX	12-2-14
C	ROBERT A. ISALY SR., EST.	12-2-13
D	WILLIAM E. GIBSON	12-9-12
E	ROBERT A. ISALY SR., EST.	12-9-09
F	WHEELING CREEK WATERSHED COMM.	12-9-6.1
G	SANDRA L. HADSELL	12-1-20
H	GRACE ANN KENNEDY	12-1-22.1
I	GRACE ANN KENNEDY	12-1-22
J	GREGORY SCOTT FRAZIER	12-1-23
K	GREGORY SCOTT FRAZIER	12-1-27.1
L	JOSHUA N. COX	12-1-27.2
M	PAULA SUE MUFFENY	12-1-27
N	GEORGE & LAURIE ADASE	12-1-28
O	GEORGE & LAURIE ADASE	12-1-29
P	JOHN H. KUNTZ	12-1-31
Q	CONSOLIDATION COAL COMPANY/MURRAY ENERGY	12-1-10.2
R	WILLIAM J. KUNTZ	12-1-32
S	JEFFREY J. & BARBARA J. MARPLE	12-1-32.1
T	CONSTANCE L. HIGGINS - LIFE	12-1-7.3
U	SHERRY L. RUNKLE	12-1-7.2
V	KAREN SCHENK SLIGAR & TERRY B. SLIGAR	12-1-5.2
W	KAREN SCHENK SLIGAR	12-1-5
X	MARY SCHENK HAMILTON & GARY P. HAMILTON	12-1-5.4
Y	ROBIN G. ZDONCZYK	12-1A-83.1
Z	LONNIE A. SNYDER	12-1A-83.2
AZ	KIMIKO ROSS	12-1A-81
B2	DAVID A. STALEY, ET UX	12-1A-77
C2	ALBERT R. YOUNG, SR.	6-T17B-321
D2	WILLIAM J. & L.L. COOK	6-T17B-318.1
E2	JINAH LAUDERMILT	6-T17B-318
F2	ALICE A. DELANEY	6-T17B-316
G2	WILLIAM H. SNIDER	6-T17B-316.1
H2	MICHAEL C. & B.J. COLVIN	6-T17B-314
I2	JDS INVESTMENTS, LLC	6-T17B-262
J2	DOLLYE B. ROBERTS	6-T17B-230
K2	IRIS B. RIGGS	6-T17B-231
L2	STELLA M. BRYAN & KATHLEEN J. BRYAN	6-T17B-232
M2	MARGARET J. STEWART	6-T17B-233
N2	ROBERT C. HAZLETT JR.	6-T17B-234
O2	STELLA M. BRYAN & KATHLEEN J. BRYAN	6-T17B-235
P2	AMELIA WINSLOW	6-T17B-236
Q2	STELLA M. BRYAN & KATHLEEN J. BRYAN	6-T17B-237
R2	CHARLES H. & JOYCE I. BEALL	6-T17B-238
S2	WALTER L. HARTMAN & G.L. HARTMAN	6-T17C-4
T2	GREGORY THOMAS REES	6-T17C-4.2
U2	JACK M. TAYLOR & G.T. TAYLOR	6-T17C-5.3
V2	RAYMOND A. CAPPONE & KAREN CAPPONE	6-T17-15
W2	MELISSA A. KULPA	6-T17-17.8
X2	JOHN D. KULPA JR.	6-T17-17.16
Y2	LEONARD E. LAPINSKY	6-T17-17.15
Z2	MICAH L. ZINN & KRISTY N. ZINN	6-T17-17.14
A3	ROBERT A. SMITH & ROBIN K. SMITH	6-T17-17.13
B3	JERALD L. & KIMBERLY E. HETZEL	6-T17-17.10
C3	JOSEPH D. & ANGEL L. HALL	6-T17-17.4
D3	YUKIKO COMSTOCK	6-T17-17.3
E3	DANIEL P. HOLMES & LAURA S. HOLMES	6-T17-17.2
F3	GREGORY W. BEALL & JILL A. BEALL	6-T17-9.3
G3	PATRICK J. LENZ	12-1-46
H3	MICHAEL L. & TYLENE R. COFFIELD	12-1-13
I3	STEPHEN M. BAROLOVICH	12-1-11
J3	STEPHEN M. BAROLOVICH	12-1-47
K3	STEPHEN M. BAROLOVICH	12-1-18.4
L3	JOSEPHINE GRACE NORMAN	12-1-18.3
M3	MARK A. & ANDREA SCHELLHASE	12-1-18.5
N3	CHESTER A. GIZA, ET UX	12-1-15
O3	WHEELING POWER COMPANY	12-9-8.1

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN $\frac{R}{A} \sqrt{+0}$
Production Company™

OPERATOR'S: BW EDGE MSH
WELL #: 47-061-02342-1164 3H

API #: 47-051-

DATE: 06-12-2020

DISTRICT: SAND HILL

COUNTY: MARSHALL

STATE: WV

DRAWN BY: N. MANO



SCALE: N/A

DRAWING NO: WELL LOCATION PLAT 3

JACKSON SURVEYING
INC.

2413 EAST PIKE ST. # 112
Clarksburg, WV 26301
304-623-5851

WELL BORE TRACTS		
TRACT	SURFACE OWNER (S) /ROYALTY OWNER (R)	TAX PARCEL
1	WILLIAM F. JR. & BARBARA ANN EDGE (S) / JOSEPHINE FLETCHER (R)	12-9-08
TRACT	SURFACE OWNER (S)	TAX PARCEL
2	EDITH A. FOLMAR AS TRUSTEE OF THE EDITH A. FOLMAR TRUST AGREEMENT DATED THE 23RD DAY OF MAY, 2019 (S)	12-1-19
3	MARK A. SCHELLHASE, ET UX (S)	12-1-18
4	ANNA LEASURE (S)	12-1-30
5	STEPHEN M. BARTOLOVICH (S)	12-1-11
6	STEPHEN M. BARTOLOVICH (S)	12-1-47
7	MICHAEL L. & TYLENE R. COFFIELD. (S)	12-1-10
8	WALTER L. HARTMAN, ET UX (S)	12-1-10.1
9	WALTER L. & GLORIA L. HARTMAN (S)	6-T17-17
10	DEBRA L. CAMPBELL (S)	6-T17B-320
11	WALTER I. & G. L. HARTMAN (S)	6-T17C-4.1
12	CHARLES H. & J. I. BEALL (S)	6-T17C-3
13	ANDREW & MARIE PLUTTO (S)	6-T17B-312

REVISIONS:	COMPANY:		 	
	OPERATOR'S		API #:	DATE: 06-12-2020
	WELL #: 47-051-02342 HGA 3H		47-051-	DRAWN BY: N. MANO
	DISTRICT:	COUNTY:	STATE:	SCALE: N/A
	SAND HILL	MARSHALL	WV	DRAWING NO:
				WELL LOCATION PLAT 2