

Latitude: 40°02'30"

SURFACE HOLE 684'

Latitude: 40°02'30" BOTTOM HOLE

3733'

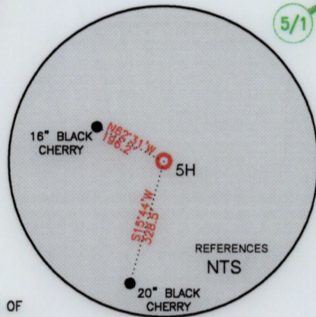
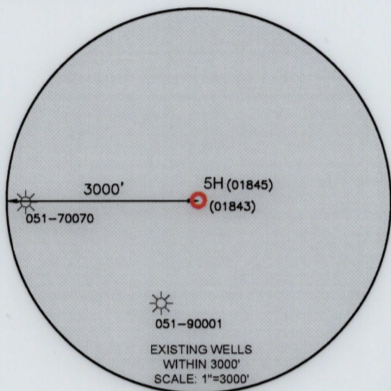
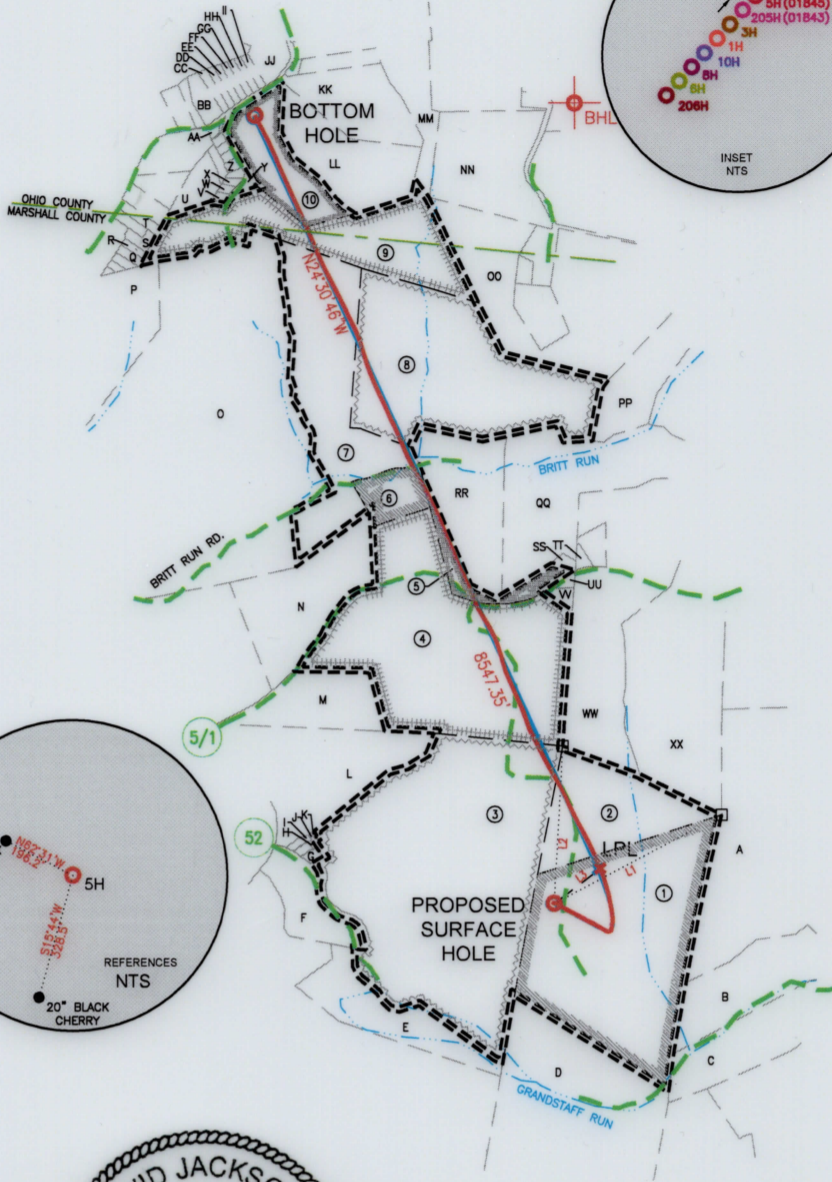
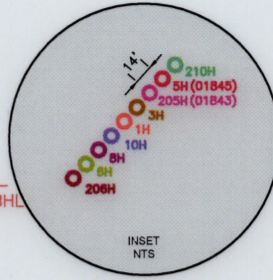
JACKSON SURVEYING INC.

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,428,556.883
EASTING: 531,798.328
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,428,664.715
EASTING: 531,938.271
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,431,048.009
EASTING: 530,855.991
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,428,556.891
EASTING: 531,798.297
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,428,679.820
EASTING: 531,939.557
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,431,050.242
EASTING: 530,858.649

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

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 62°08'19" E	1976.14'	SHL TO LANDMARK	5/8" REBAR
L2	S 03°20'30" E	1635.63'	SHL TO LANDMARK	5/8" REBAR
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 48°58'09" E	614.37'	1397.22'	SHL TO LPL



WELL RESTRICTIONS

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 250 FEET OF PROPOSED WELL.
- NO PERENNIAL 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 OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

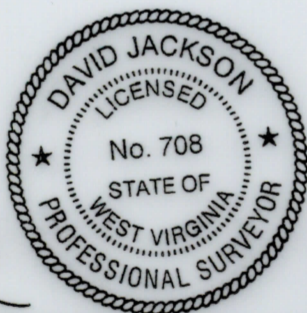
NOTES ON SURVEY

- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- 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: **SWN** Production Company, LLC

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	BW EDGE MSH
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: 5H API WELL #: 47 051 01845 STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1253.6'

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) ASDRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,380' TVD 15,428' 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:	<ul style="list-style-type: none"> — SURVEYED BOUNDARY — DRILLING UNIT — LEASE BOUNDARY — ASDRILLED PATH — PROPOSED PATH 	REVISIONS: DATE: 05-16-2019 DRAWN BY: N. MANO SCALE: 1" = 2000' DRAWING NO: WELL LOCATION PLAT
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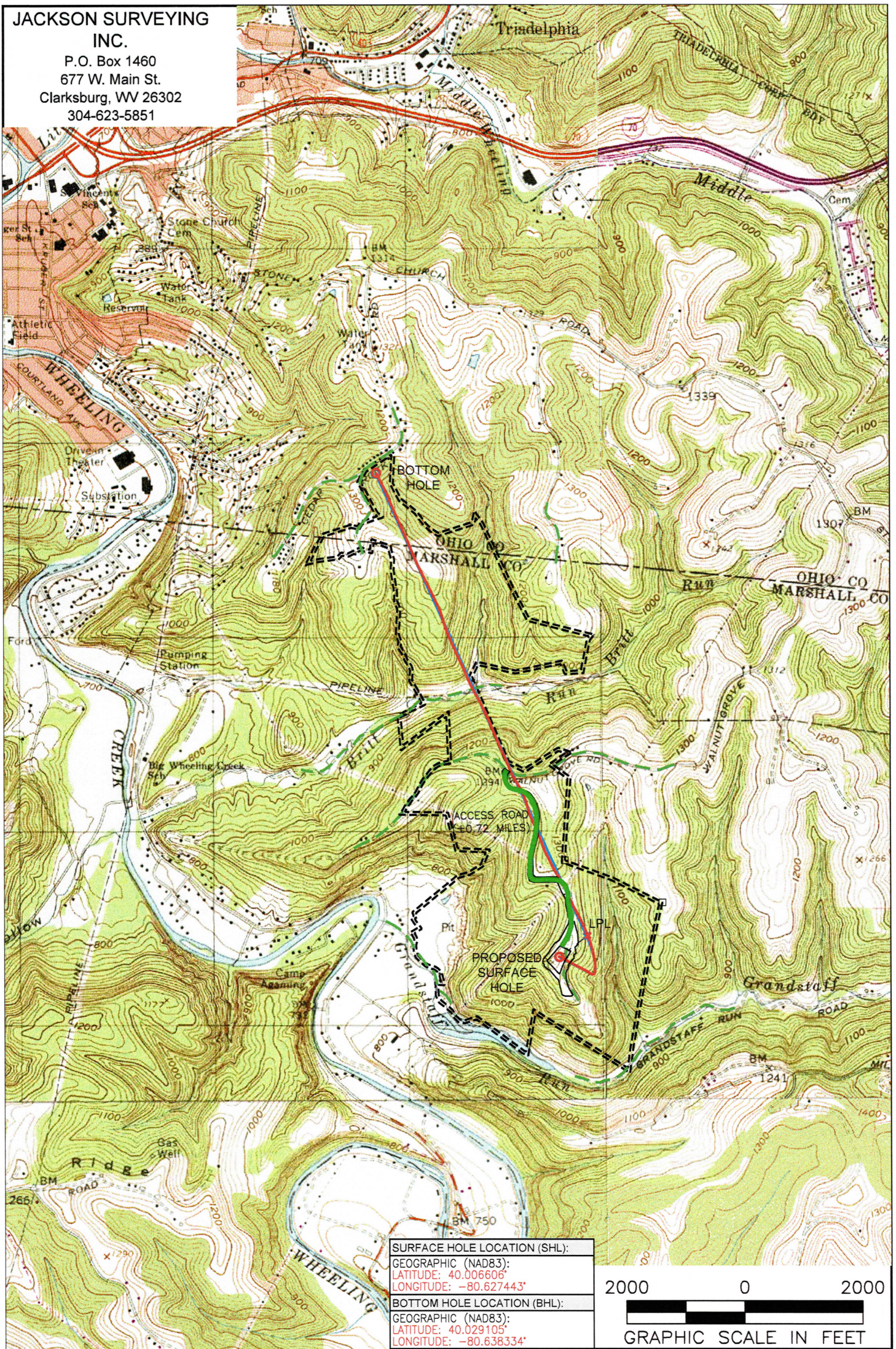
WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	WILLIAM F. EDGE JR. & BARBARA EDGE (S)/ JOSEPHINE FLETCHER (R)	12-09-08
TRACT	SURFACE OWNER	TAX PARCEL
2	WILLIAM F. EDGE JR. & BARBARA EDGE	12-09-8.1
3	GWAINE FOLMAR	12-01-19
4	MARK M. SCHELLHASE, ET UX	12-01-18
5	VIOLET S. MILLER	12-01-18.3
6	STEPHEN M. BARTOLOVICH	12-01-18.4
7	STEPHEN M. BARTOLOVICH, ET AL	12-01-11
8	MICHAEL L. & TYLENE R. COFFIELD	12-01-13
9	WALTER L. HARTMAN, ET UX	12-01-10.1
10	RAYMOND A. CAPPONE & KAREN CAPPONE	06-T17-15

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	CHESTER A. GIZA, ET UX	12-02-14
B	ROBERT A. ISALY SR, EST	12-02-13
C	WILLIAM & LORI ANN GIBSON	12-09-12
D	ROBERT A. ISALY SR., EST	12-09-9
E	WHEELING CREEK WATERSHED COMMUNITY	12-09-6.1
F	SANDRA L. HADSELL	12-01-20
G	GRACE ANN KENNEDY	12-01-22
H	GREGORY SCOTT FRAZIER	12-01-22
I	PAULA SUE MUFFENY	12-01-27
J	GREGORY SCOTT FRAZIER	12-01-27.1
K	PAULA SUE MUFFENY	12-01-27.2
L	GEORGE & LAURIE ADASE	12-01-28
M	GEORGE & LAURIE ADASE	12-01-29
N	ANNA LEASURE	12-01-30
O	MICHAEL L. & TYLENE R. COFFIELD	12-01-10
P	MARY SCHENK & GARY P. HAMILTON	12-01-5.1
Q	LONNIE A. SNYDER	12-1A-83
R	LONNIE A. SNYDER	12-1A-83.2
S	DAVID A. STALEY, ET UX	12-1A-77
T	ALBERT R. YOUNG, SR.	6-T17B-321
U	WALTER L. & GLORIA L. HARTMAN	6-T17-17
V	JERALD L. & KIMBERLY E. HETZEL	6-T17-17.1
W	DANIEL P. & LAURA S. HOLMES	6-T17-17.2
X	DEBRA A. FERRER	6-T17-17.3
Y	WALTER L. & GLORIA L. HARTMAN	6-T17-17.11
Z	JOSEPH D. & ANGEL L. HALL	6-T17-17.4
AA	WALTER L. & GLORIA L. HARTMAN	6-T17C-4.1
BB	WALTER L. & GLORIA L. HARTMAN	6-T17C-4
CC	JACK M. & G. J. TAYLOR	6-T17C-5.3
DD	MARSHA M. WOODS	6-T17C-5.4
EE	RICHARD A. & C. K. BONAR	6-T17C-5.2
FF	ROBERT JEFFREY MCCONNELL	6-T17C-5.1
GG	MARY ANN & ETTER ARNOLD KUHL JR.	6-T17C-5
HH	STEPHANIE M. KING	6-T17C-6
II	TERRY L. KENT	6-T17C-7
JJ	SAMUEL E. STRAIGHT	6-T17C-8
KK	GREGORY W. & JILL ANN BEALL	6-T17C-9.1
LL	GREGORY W. & JILL ANN BEALL	6-T17C-9.3
MM	RIDGE RUNNER FARM LLC	6-T12-14
NN	ROBERT H. & M.J. DAVIS	6-T17-13
OO	PATRICK J. LENZ	12-01-46
PP	PATRICK J. LENZ	12-01-14.1
QQ	KENNETH L. MCNINCH, ET UX	12-01-14
RR	PETE E. MALARSKI, ET UX	12-01-12
SS	VIOLET D. MILLER	12-01-18.1
TT	ARTHUR W. STRICKLIN, ET UX	12-01-15.1
UU	CHESTER L. SMITH, ET UX	12-01-18.2
VV	MARK A. & ANDREA SCHELLHASE	12-01-18.5
WW	CHESTER A. GIZA, ET UX	12-01-15
XX	CHESTER A. GIZA, ET UX	12-01-16

REVISIONS:	COMPANY:		
		SWN Production Company, LLC	
	OPERATOR'S	BW EDGE MSH	API #:
	WELL #:	5H	47-051-01845
	DISTRICT:	COUNTY:	STATE:
	SAND HILL	MARSHALL	WV
			DATE: 05-16-2019
			BY: L. WIND
			DATE: N/A
			DATE: N/A
			DATE: N/A

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Clarksburg, WV 26302
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SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.006606°
LONGITUDE: -80.627443°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 40.029105°
LONGITUDE: -80.638334°



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
- FLOOD PLAIN
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- ASDRILLED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: BW EDGE MSH	WELL # 5H	SERIAL #
ADDRESS: 1300 FORT PIERPONT RD., SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT; SAND HILL	
SURFACE OWNER: WILLIAM F. EDGE, JR. & BARBARA EDGE	USGS 7 1/2 QUADRANGLE MAP NAME WHEELING, WV-OHI	API #: 47-051-01845	