

Latitude: 39°45'00"

SURFACE HOLE 1491'

Latitude: 39°45'00"

BOTTOM HOLE 9681'

JACKSON SURVEYING INC.

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

SURFACE HOLE LOCATION (SHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,397,194.739
EASTING: 528,112.993

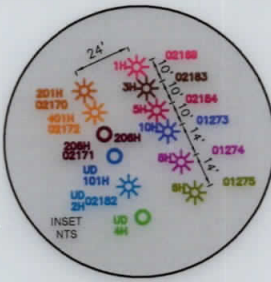
LANDING POINT LOCATION (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,397,217.435
EASTING: 528,116.187

BOTTOM HOLE LOCATION (BHL):

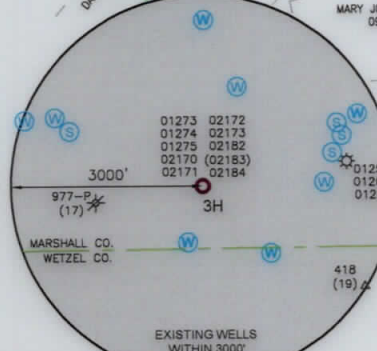
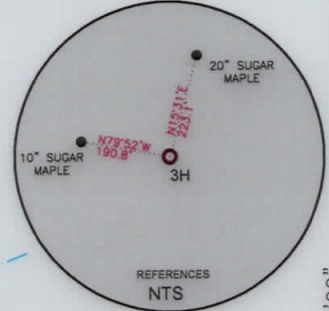
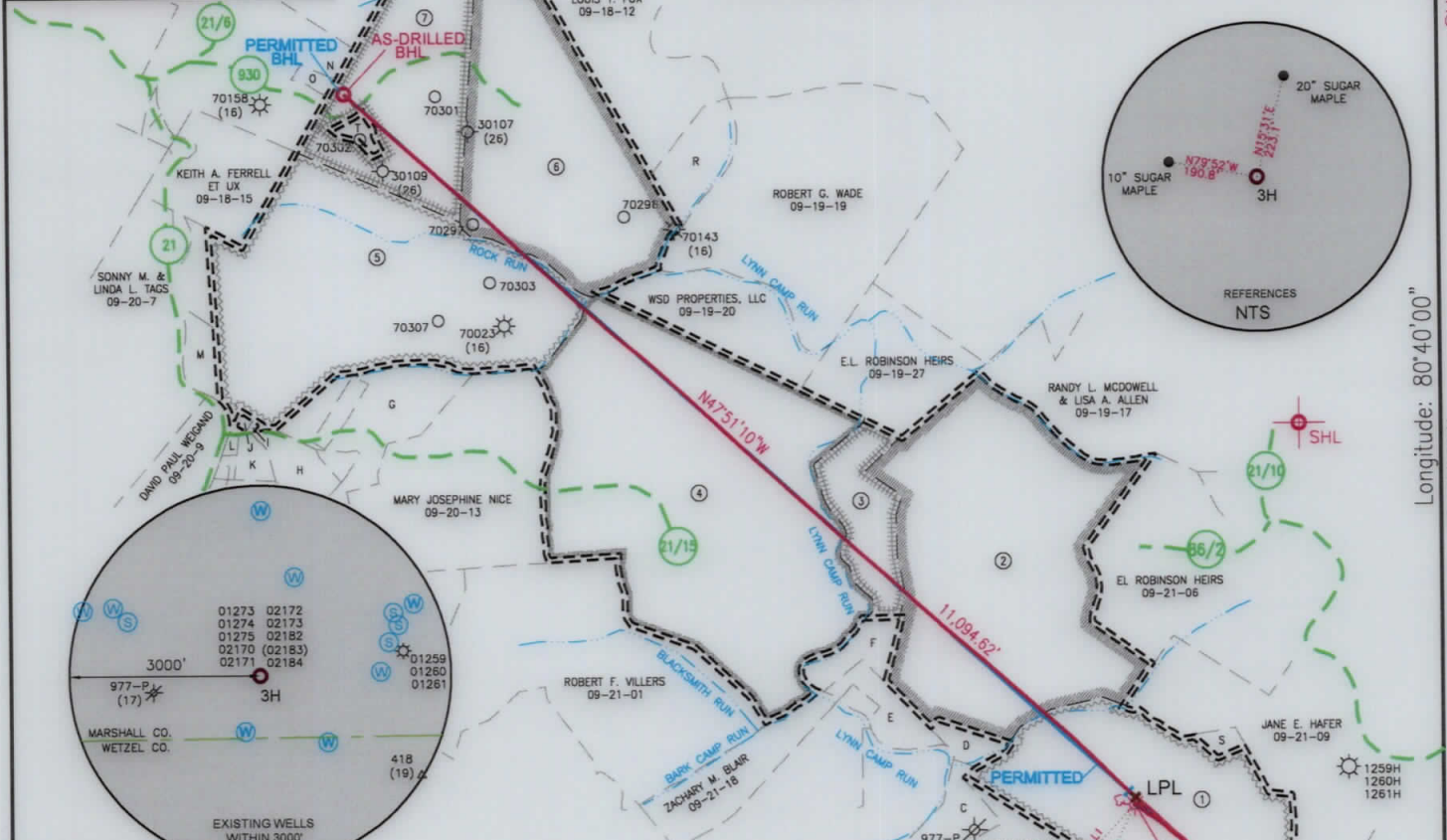
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,399,486.648
EASTING: 525,608.955

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



SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,194.739 EASTING: 528,112.919	
LANDING POINT LOCATION (LPL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,397,237.267 EASTING: 528,093.114	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,399,486.491 EASTING: 525,610.369	

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 43°24'49" W	1257.50'	SHL TO LANDMARK	FOUND STONE
L2	S 25°27'05" W	1244.80'	SHL TO LANDMARK	FENCE CORNER
LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 08°00'42" E	75.19'	1450.08'	SHL TO LPL



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.

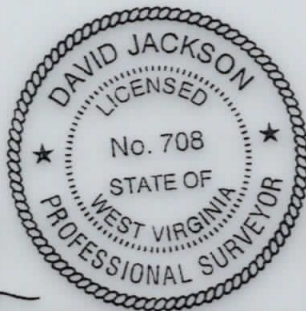
NOTES ON SURVEY

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: **SWN** Production Company, LLC

(+) 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)

ARTHUR WARYCK MSH
OPERATOR'S WELL #: 3H
API WELL #: 47 STATE 051 COUNTY 02183 PERMIT

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

WATERSHED: LYNN CAMP RUN OF FISK CREEK (HUC-10) ELEVATION: 1326.2'

DISTRICT: MEADE COUNTY: MARSHALL QUADRANGLE: WILEYVILLE, WV

SURFACE OWNER: A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK ACREAGE: ±125.39

OIL & GAS ROYALTY OWNER: CHARLES W. CAIN & PEARL CAIN ACREAGE: ±125.39

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: 7,129 TVD 18,677 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 ADDRESS: 3000 BORDEN FORT PIERPONT ROAD, SUITE 200
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	— SURVEYED BOUNDARY	REVISIONS:	DATE: 03-24-2020
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		
☼ EXISTING / PRODUCING WELLHEAD	== LEASE BOUNDARY		
LPLx LANDING POINT LOCATION	— ASDRILLED PATH		
⊙ EXISTING WATER WELL	— PROPOSED PATH		
⊙ EXISTING SPRING			
			DRAWN BY: N. MANO
			SCALE: 1" = 2000'
			DRAWING NO:
			WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK (S) / CHARLES W. CAIN & PEARL CAIN (R)	09-21-10
TRACT	SURFACE OWNER	TAX PARCEL
2	APPALACHIAN MIDSTREAM SERVICES, LLC (S)	09-21-05
3	APPALACHIAN MIDSTREAM SERVICES, LLC (S)	09-21-03
4	ROSELAND PROPERTY, LLC (S)	09-21-02
5	PATRICK A. FROHNAPFEL & LISA A. FROHNAPFEL (S)	09-20-11
6	NILA J. FROHNAPFEL (S)	09-18-14
7	CLEMENT E. FROHNAPFEL & BRENDA L. FROHNAPFEL (S)	09-18-13

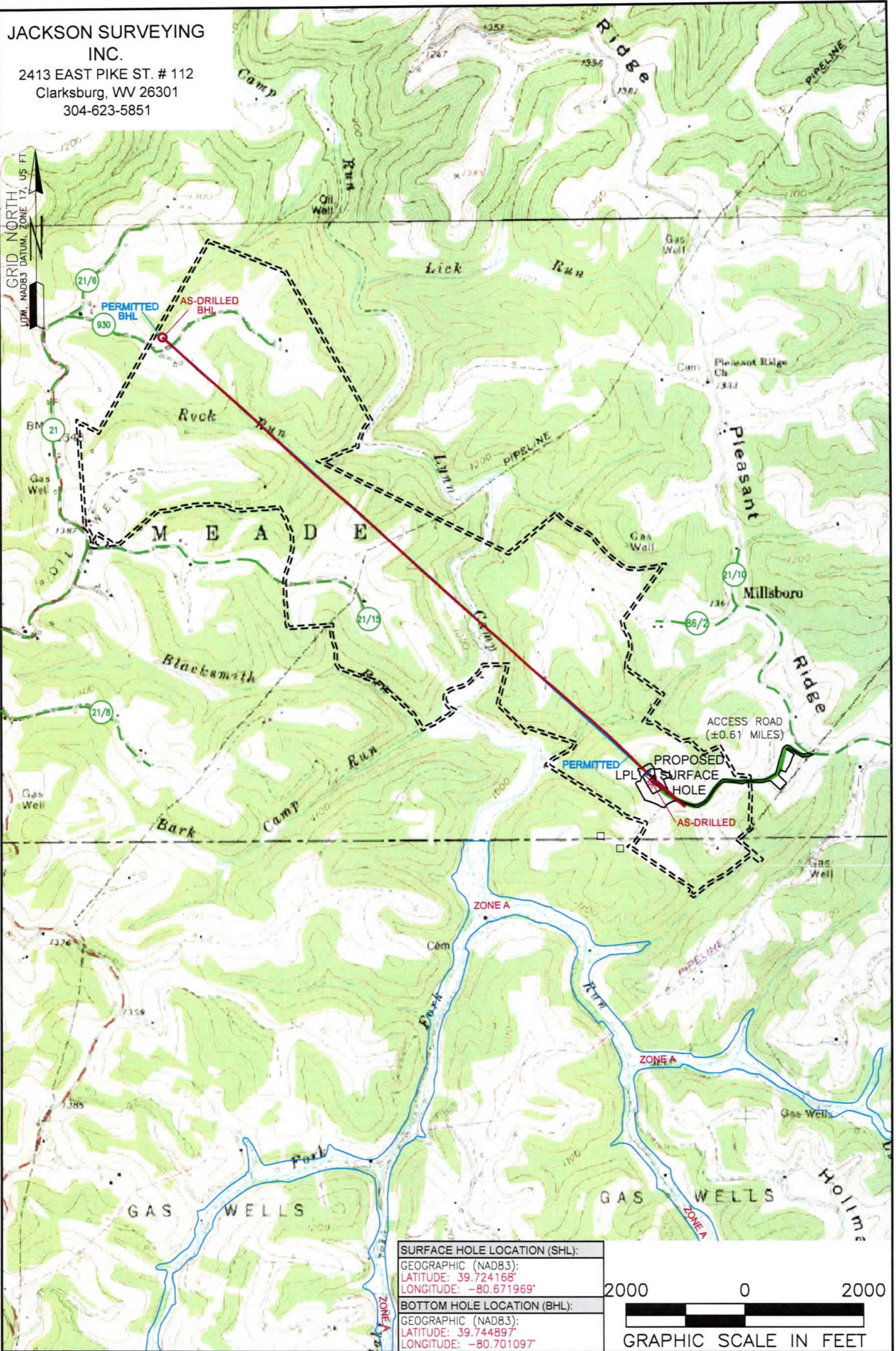
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	MASON DIXON FARMS, LLC	09-21-11
B	ANORAH C. SCHOSTAG & RYAN U. SCHOSTAG	09-21-10.1
C	ZACHARY M. BLAIR	09-21-13
D	ZACHARY M. BLAIR	09-21-14
E	ZACHARY M. BLAIR	09-21-16
F	ZACHARY M. BLAIR	09-21-04
G	DAVID PAUL WEIGAND	09-20-12.1
H	ELEANOR T. & JAMES B. MILLER	09-20-8
I	ELEANOR T. & JAMES B. MILLER	09-20-9.2
J	ELEANOR T. & JAMES B. MILLER	09-20-9.1
K	JAMES MILLER ET UX	09-20-9.6
L	JAMES MILLER ET UX	09-20-9.5
M	DAVID PAUL FROHNAPFEL	09-20-7.1
N	ROBERT F. VILLERS	09-18-16
O	ROBERT F. VILLERS & APRIL L. VILLERS	09-18-16.4
P	VINCENT J. WAYMAN ET UX	09-18-17
Q	DOUGLAS J. WAYMAN ET UX	09-18-8
R	LOUIS T. FOX	09-19-19.1
S	MASON DIXON FARMS, LLC	09-21-22
T	CLEMENT E. FROHNAPFEL & BRENDA FROHNAPFEL	09-18-13.1

REVISIONS:	COMPANY:			 	
	OPERATOR'S	ARTHUR WARYCK MSH	API #	47-051-02183	DATE: 03-24-2020
	WELL #:	3H			DRAWN BY: N. MANO
	DISTRICT:	MEADE	COUNTY:	MARSHALL	SCALE: N/A
			STATE:	WV	DRAWING NO:
					WELL LOCATION PLAT 2

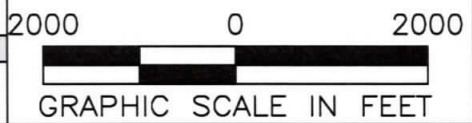
**JACKSON SURVEYING
INC.**

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

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



SURFACE HOLE LOCATION (SHL):	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.724168°	
LONGITUDE: -80.671969°	
BOTTOM HOLE LOCATION (BHL):	
GEOGRAPHIC (NAD83):	
LATITUDE: 39.744897°	
LONGITUDE: -80.701097°	



NOTES ON SURVEY

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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
- ASDRILLED PATH
- PROPOSED PATH

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: ARTHUR WARYCK MSH	WELL # 3H	SERIAL #
ADDRESS: 1300 FORT PIERPONT ROAD, SUITE 200 MORGANTOWN, WV 26508	COUNTY - CODE MARSHALL - 051	DISTRICT; MEADE	
SURFACE OWNER: A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK	USGS 7 1/2 QUADRANGLE MAP NAME WILEYVILLE, WV	API # 47-051-02183	