

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

SURFACE HOLE LOCATION (SHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,397,197.630
 EASTING: 528,111.724

LANDING POINT LOCATION (LPL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,397,223.676
 EASTING: 527,741.553

BOTTOM HOLE LOCATION (BHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,399,269.180
 EASTING: 525,481.950

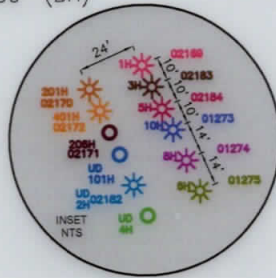
GRID NORTH
 UTM, NAD83 DATUM, ZONE 17, US FT

Latitude: 39°45'00" (SH)

Latitude: 39°45'00" (BH)

SURFACE HOLE 1495'

BOTTOM HOLE 10100'



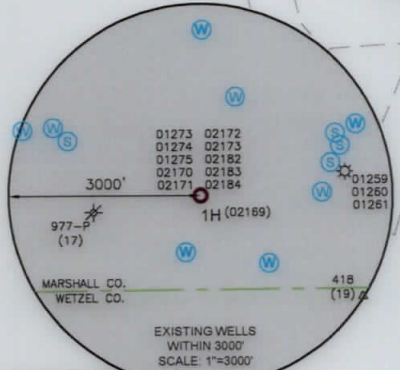
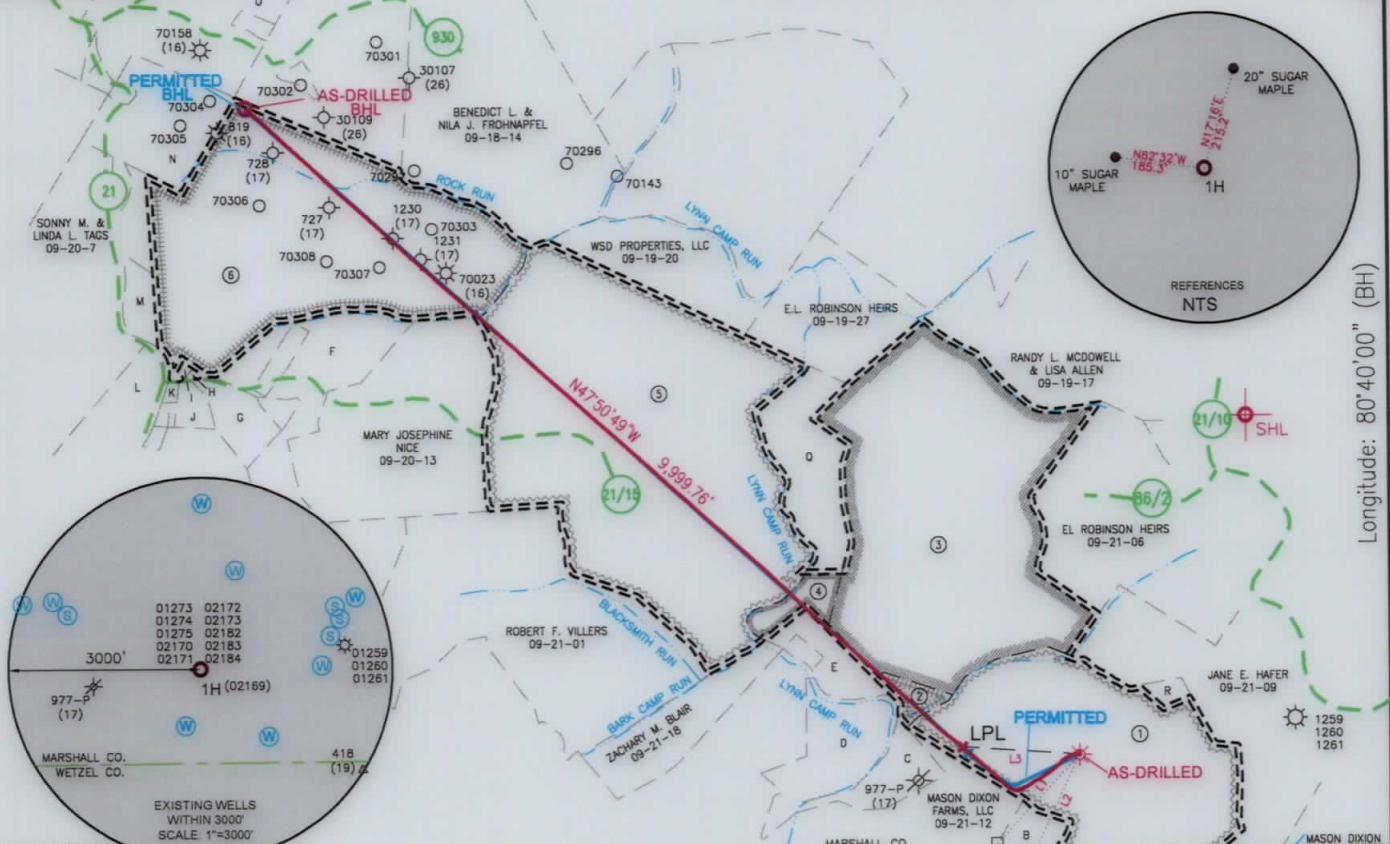
SURFACE HOLE LOCATION (SHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,397,197.579
 EASTING: 528,111.679

LANDING POINT LOCATION (LPL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,397,203.218
 EASTING: 527,758.875

BOTTOM HOLE LOCATION (BHL):
 UTM (NAD83, ZONE 17, METERS):
 NORTHING: 4,399,266.803
 EASTING: 525,481.771

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 42°58'49" W	1,261.57'	SHL TO LANDMARK	FOUND STONE
L2	S 25°05'33" W	1,251.61'	SHL TO LANDMARK	FENCE CORNER

LINE	BEARING	DISTANCE	CURVE LENGTH	DESCRIPTION
L3	N 85°58'31" W	1,217.47'	1,546.99'	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.

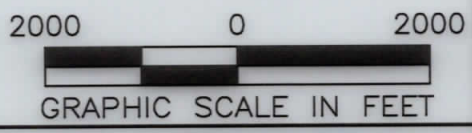
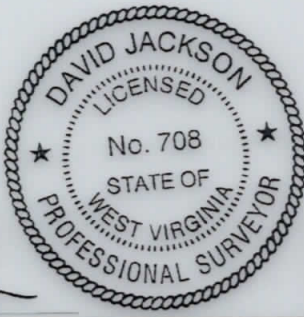
NOTES ON SURVEY

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.

David L Jackson

P.S. 708



COMPANY: **SWN** Production Company, LLC

ARTHUR WARYCK MSH
 OPERATOR'S WELL #: 1H
 API WELL #: 47 051 02169
 STATE COUNTY PERMIT



(+) 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)

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

WATERSHED: LYNN CAMP RUN OF FISK CREEK (HUC-10) ELEVATION: 1326.1'

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: 7,136 TVD 17,639 TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, 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
 — ASDRILLED PATH
 — PROPOSED PATH

REVISIONS:
 DATE: 03-24-2020
 DRAWN BY: N. MANO
 SCALE: 1" = 2000'
 DRAWING NO:
 WELL LOCATION PLAT

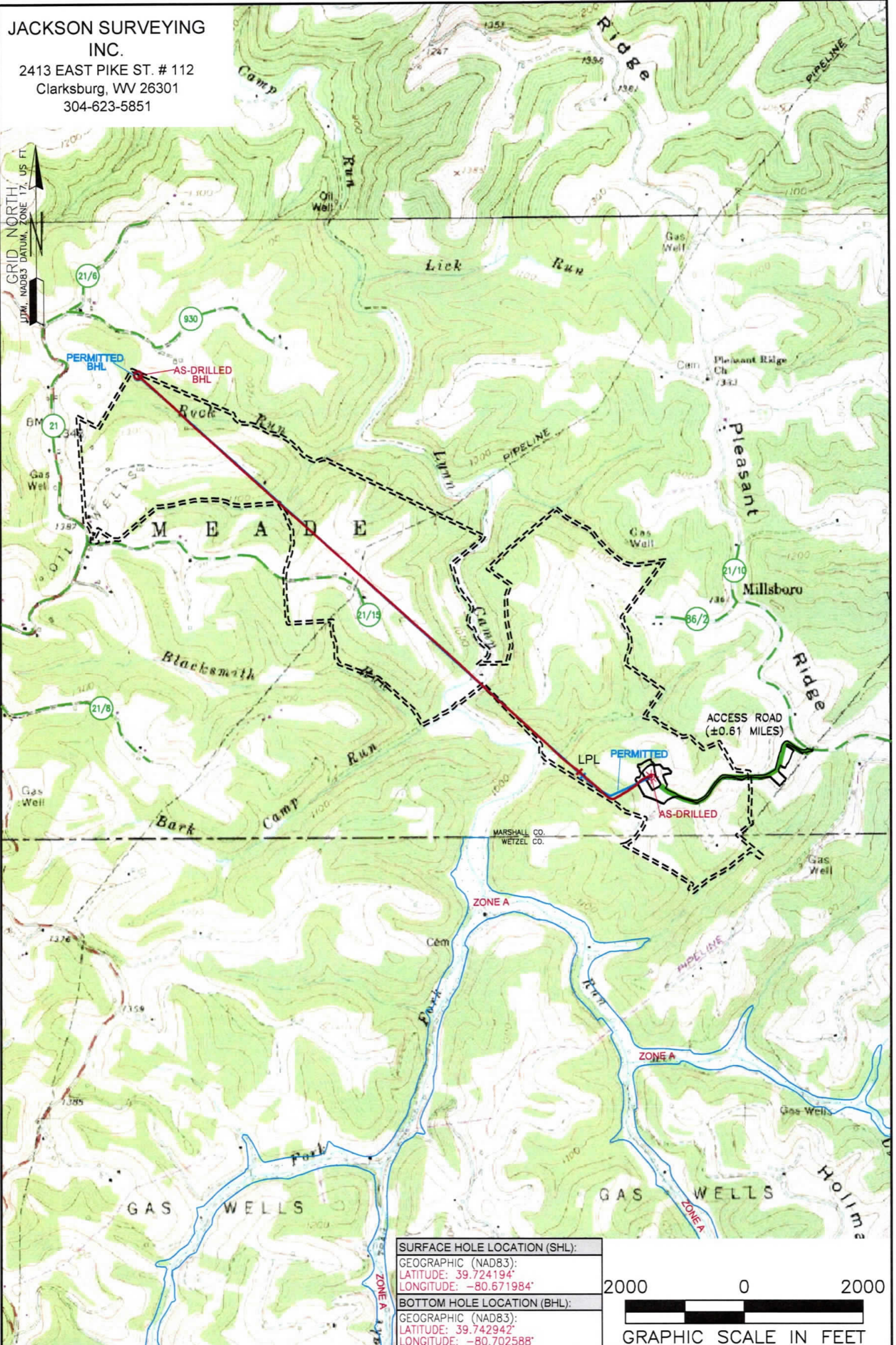
WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	A. MICHAEL WARYCK & DEBORAH ELLEN WARYCK (S) / CHARLES W. CAIN & PEARL CAIN (R)	09-21-10
TRACT	SURFACE OWNER	TAX PARCEL
2	ZACHARY M. BLAIR (S)	09-21-14
3	APPALACHIAN MIDSTREAM SERVICES, LLC (S)	09-21-5
4	ZACHARY M. BLAIR (S)	09-21-4
5	ROSELAND PROPERTY, LLC (S)	09-21-2
6	PATRICK A. FROHNAPFEL & LISA A. FROHNAPFEL (S)	09-20-11

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	09-21-15
E	ZACHARY M. BLAIR	09-21-16
F	DAVID PAUL WEIGAND	09-20-12.1
G	ELEANOR T. MILLER & JAMES B. MILLER	09-20-8
H	ELEANOR T. MILLER & JAMES B. MILLER	09-20-9.2
I	ELEANOR T. MILLER & JAMES B. MILLER	09-20-9.1
J	JAMES MILLER ET UX	09-20-9.6
K	JAMES MILLER ET UX	09-20-9.5
L	DAVID PAUL WEIGAND	09-20-9
M	DAVID PAUL FROHNAPFEL	09-20-7.1
N	KEITH A. FERRELL ET UX	09-18-15
O	ROBERT F. VILLERS	09-18-16
P	CLEMENT E. FROHNAPFEL & BRENDA L. FROHNAPFEL	09-18-13
Q	APPALACHIA MIDSTREAM SERVICES, LLC	09-21-3
R	MASON DIXON FARMS, LLC	09-21-22

REVISIONS:	COMPANY:		DATE: 03-24-2020	
				
	OPERATOR'S ARTHUR WARYCK MSH			
	WELL #:	1H		API # 47-051-02169
	DISTRICT:	MEADE		COUNTY: MARSHALL
		STATE: WV	DRAWN BY: N. MANO	
			SCALE: N/A	
			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: 39.724194'
LONGITUDE: -80.671984'

BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.742942'
LONGITUDE: -80.702588'



NOTES ON SURVEY

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LEGEND:

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- ☼ EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- ⊙ EXISTING WATER WELL
- ⊙ 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 # 1H	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 # 47-051-02169	