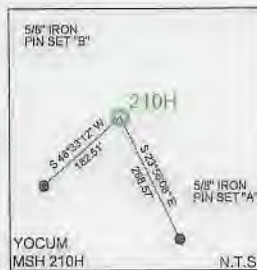
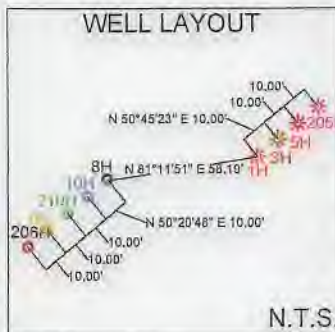
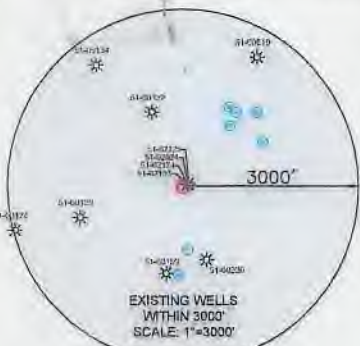


LATITUDE: 39°45' SURFACE HOLE (2000' SCALE) 111'

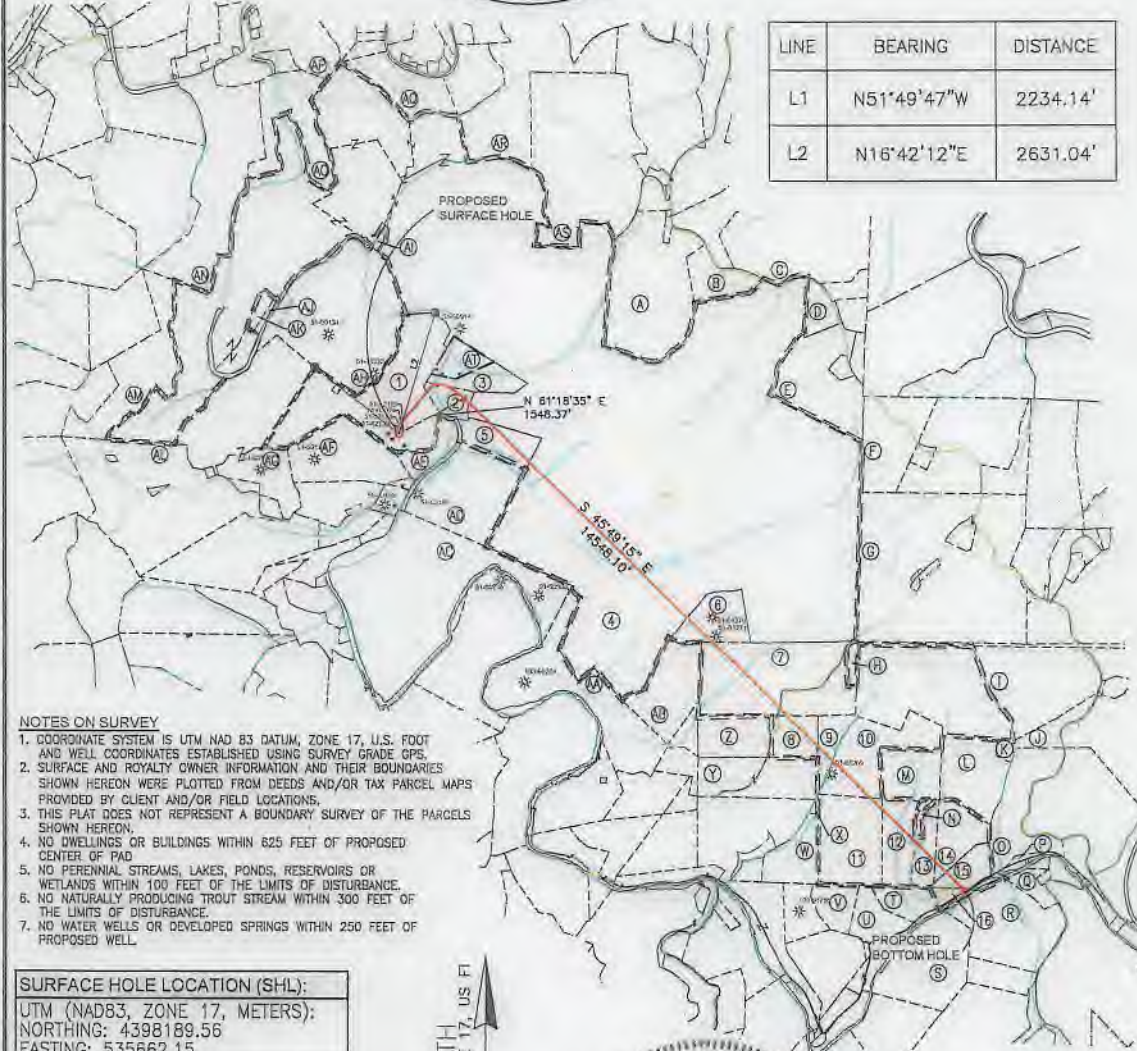
LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE) 11,489'



www.jhacompanies.com
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

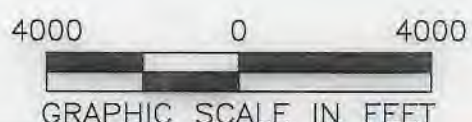


LINE	BEARING	DISTANCE
L1	N51°49'47"W	2234.14'
L2	N16°42'12"E	2631.04'



- NOTES ON SURVEY
1. COORDINATE SYSTEM IS UTM NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 2. 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.
 3. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
 4. NO DWELLINGS OR BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
 5. NO PERENNIAL STREAMS, LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
 6. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF THE LIMITS OF DISTURBANCE.
 7. NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4398189.56 EASTING: 535662.15
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4398422.93 EASTING: 536072.17
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4395387.21 EASTING: 539302.40



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.E. 19809

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

OPERATOR'S WELL #: YOCUM MSH 210H

API WELL #: 47 051 02465
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1052.6'

DISTRICT: LIBERTY COUNTY: MARSHALL QUADRANGLE: LITTLETON, WV

SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ±97.07

OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM ACREAGE: ±97.07

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: 7,305' TVD 22,257' TMD

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

ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201

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

LEGEND:	REVISIONS:	DATE: 06-09-2022
○ PROPOSED SURFACE HOLE / BOTTOM HOLE		API NO: 47-051-XXXX
✱ EXISTING / PRODUCING WELLHEAD	— NATURAL WATERWAY	DRAWN BY: R. GRIMES
LPL ✱ LANDING POINT LOCATION	— SURVEYED BOUNDARY	SCALE: 1" = 4000'
Ⓜ EXISTING WATER WELL	== LEASE BOUNDARY	DRAWING NO: 2017-154
ⓔ EXISTING SPRING	— PROPOSED PATH	WELL LOCATION PLAT
	— PUBLIC ROAD	

LONGITUDE: 80°32'30" BOTTOM HOLE (2000' SCALE)
LONGITUDE: 80°35' SURFACE HOLE (2000' SCALE)

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	YOCUM JOSEPH LEE & MICHAEL D	7-26-9
TRACT	SURFACE OWNER	TAX PARCEL
2	VELLEKOOP PETER B ET UX - TOD	7-26-6.2
3	VELLEKOOP PETER B ET UX - TOD	7-26-6.1
4	W VA WILDLIFE RESOURCES SECTION	7-24-1
5	VELLEKOOP PETER B ET UX - TOD	7-27-10.1
6	WADE MICHAEL CLAY & MCCCELLAND LAWRENCE W - TOD ET AL	7-24-6
7	ABEREGG D W EST & ABEREGG WILLIAM D ETAL L/E ABEREGG DA	1-3-2
8	WILLIAMS JOHN EDWARD	1-3-9
9	JOHNSON VERNON S EST	3-1-1
10	DRAHEIM HERBERT P ET AL	3-1-6
11	DRAHEIM GARY WAYNE JR ETAL	3-1-9
12	DRAHEIM GARY WAYNE JR ETAL	3-1-10
13	MILLIKEN KEVIN R ETAL	3-1-12
14	MILLIKEN KEVIN R ETAL	3-1-13
15	GORBY GREGORY A & CYNTHIA D	3-1-14
16	WAYNE CARMINT REALTY	3-1-18
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	GRESHAW JASON M & MARY L	7-25-2
B	BROWN ANDREW C III	7-25-6
C	HARRINGTON CLYDE F	7-25-7
D	W VA DEPT OF COMMERCE DIV OF NATURAL RESOURCES	7-25-9
E	CONAWAY THOMAS EARL JR & CAROLYN K STOWE	7-25-12
F	CONAWAY THOMAS E	7-23-1
G	PRENDERGAST MICHAEL J & SUELLEN LEMLEY	7-23-26
H	LONG LONNY DAVID & LINDA SUE	1-3-2.1
I	PRENDERGAST MICHAEL J & SUE ELLEN	3-1-2
J	TEDROW CATHERINE A L/E TEDROW WILLIAM C II	3-2-2.1
K	WV MINERALS INC	3-1-3
L	MILLIKEN KEVIN R ETAL	3-1-4
M	DRAHEIM HERBERT P ETAL	3-1-5
N	MILLIKEN KEVIN R ETAL	3-1-11
O	MCDIFFITT WILBERT(WEBB)H TRUST	3-1-35
P	DERBY STEVEN W & REGINA D	3-1-16
Q	HIX CORA	3-2-24
R	ROBERTS LARRY D & SHARON K	3-1-33
S	MIKE ROSS INC	3-1-32
T	WAYNE CARMINT REALTY LLC	3-1-19
U	WAYNE CARMINT REALTY LLC	3-1-20
V	WAYNE CARMINT REALTY LLC	3-1-21
W	MILLIKEN KEVIN R ETAL	3-1-8
X	CBC HOLDINGS LLC	3-1-8.1
Y	WILLIAMS JOHN EDWARD	1-3-8
Z	WILLIAMS LONNIE L	1-3-7
AA	SEIDLER EARL DALE & NETTIE	1-2-6.1
AB	WILLIAMS KATHERINE E TRUST	1-3-1
AC	VELLEKOOP PETER B ET UX - TOD	7-27-13
AD	VELLEKOOP PETER B ET UX - TOD	7-27-11
AE	STIPETICH SUSAN F & FRANK R	7-27-4.2
AF	YOCUM JOSEPH LEE & MICHAEL D	7-27-4
AG	HORNER DELORSE A	7-26-10
AH	CONSOLIDATED GAS SUPPLY CORP	7-26-8
AI	BUZZARD COLIN R	7-26-3
AJ	BUTLER JOHN M & LISA A	7-26-11.1
AK	HUNDRED RESOURCES INC	7-26-11
AL	RIGGS JOHN E JR & DELANA	7-27-2
AM	MORGAN JAMES E - LIFE	7-26-14
AN	GRIFFEN M PEGGY REVOCABLE LIVING TRUST	7-19-28
AO	FROMHART BRAD ET UX - LIFE	7-20-41
AP	UNDERDONK ALAN	7-16-25.1
AQ	BURLEY AMMON ET UX	7-20-12
AR	BURLEY AMMON A	7-20-24
AS	BURLEY AMON A	7-20-37
AT	GEDEON DANIEL D ET UX	7-26-6

09/02/2022

REVISIONS:

COMPANY:

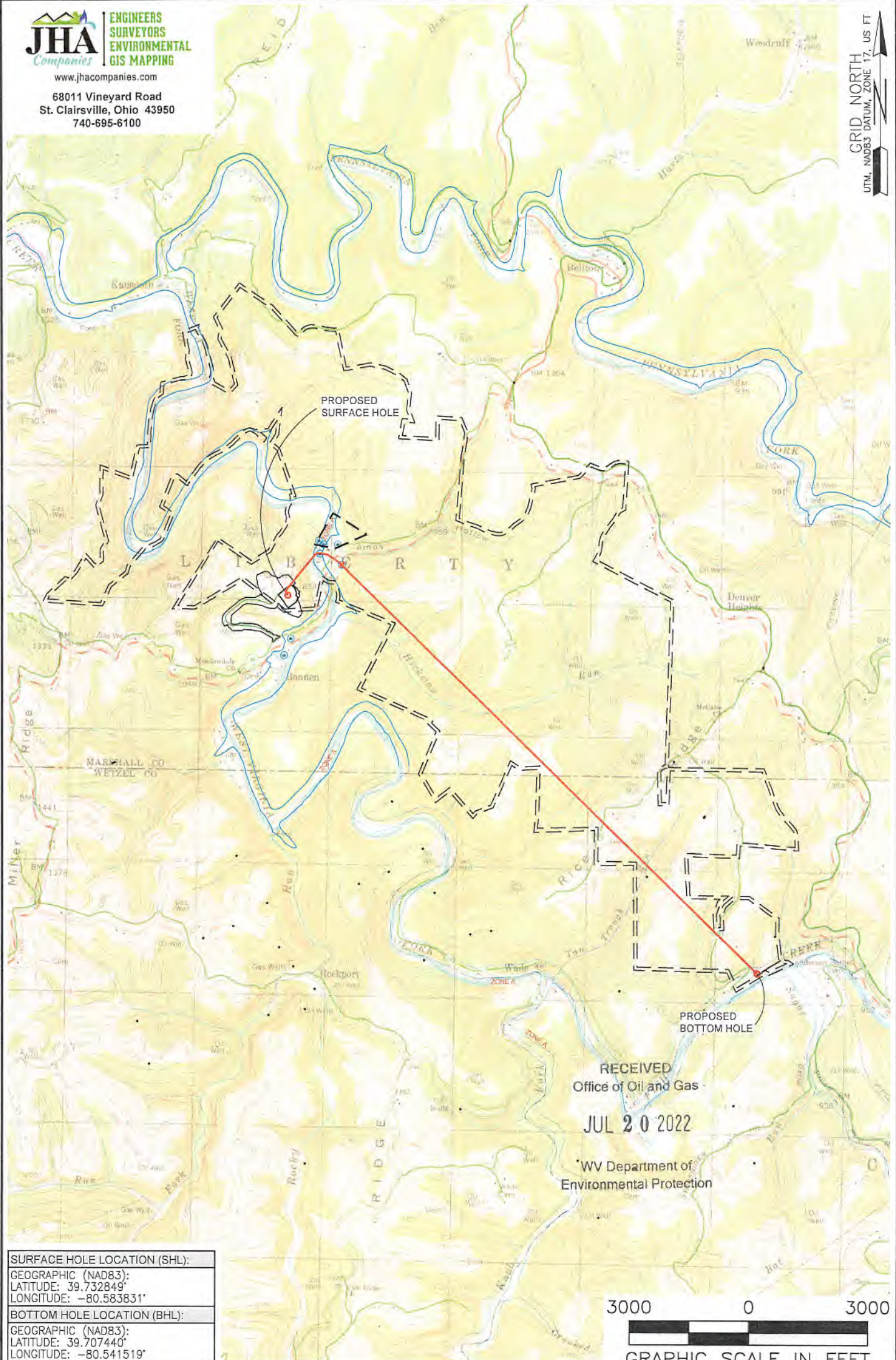
SWN
Production Company, LLC

SWN ^{REVISED}
Production Company™

OPERATOR'S YOCUM MSH
WELL #: 47-051-02465 210H

DATE: 06-09-2022
API NO: 47-051-XXXXX
DRAWN BY: R. GRIMES
SCALE: N/A
DRAWING NO: 2017-154
WELL LOCATION PLAT

DISTRICT: LIBERTY COUNTY: MARSHALL STATE: WV



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.732849°
LONGITUDE: -80.583831°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.707440°
LONGITUDE: -80.541519°



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.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

PROPOSED SURFACE HOLE / BOTTOM HOLE	NATURAL WATERWAY
EXISTING / PRODUCING WELLHEAD	ACCESS ROAD
LPL LANDING POINT LOCATION	PUBLIC ROAD
FLOOD PLAIN	ACCESS ROAD TO PREV. SITE
	LEASE BOUNDARY
	PROPOSED PATH

09/02/2022

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: YOCUM MSH	WELL # 210H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	COUNTY: MARSHALL	CODE: 103	DISTRICT: LIBERTY
SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM	USGS 7 1/2 QUADRANGLE MAP NAME: WILEYVILLE, WV		