

LATITUDE: 39°45' SURFACE HOLE (2000' SCALE) 103'

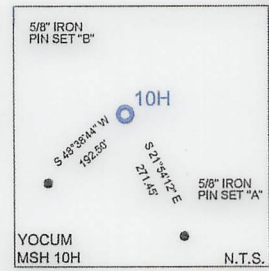
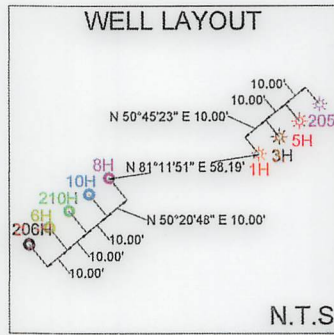
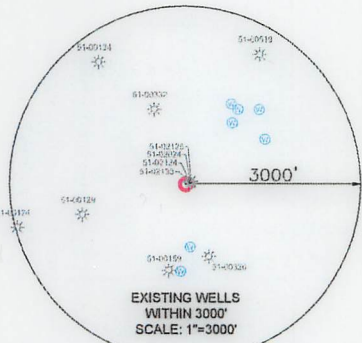
LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE)

544' BHL

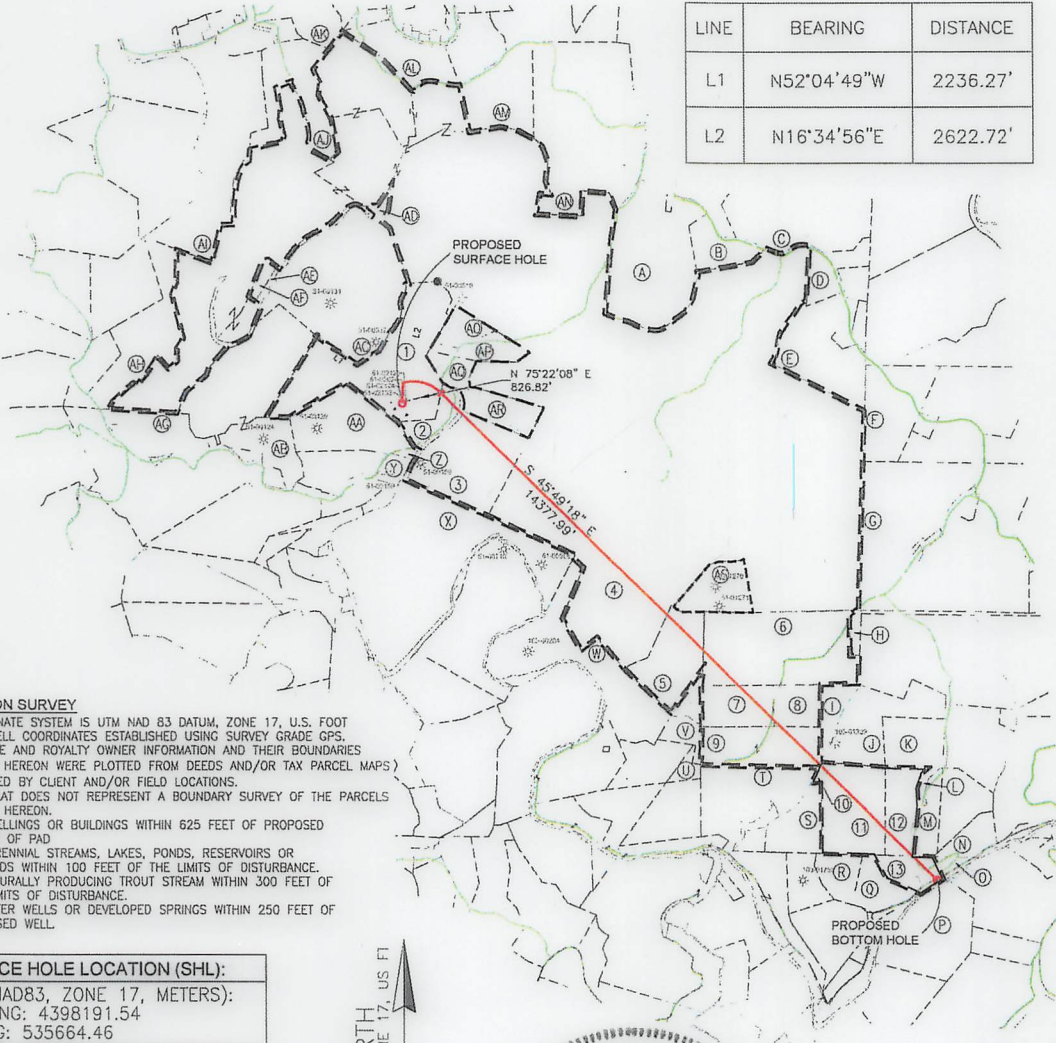


www.jhacompanies.com

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



LINE	BEARING	DISTANCE
L1	N52°04'49"W	2236.27'
L2	N16°34'56"E	2622.72'

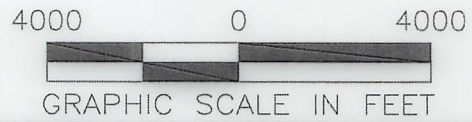
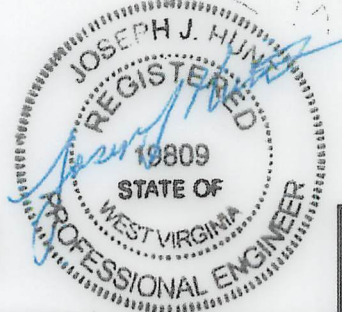


NOTES ON SURVEY

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

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4398191.54 EASTING: 535664.46
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4398261.25 EASTING: 535909.42
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4395261.06 EASTING: 539101.95

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



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.E. 19809

COMPANY: **SWN** Production Company, LLC **SWN** Production Company™

 WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS DEGREE OF ACCURACY: 1/200 PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	YOCUM MSH OPERATOR'S WELL #: 10H API WELL #: 47 051 02462 STATE COUNTY PERMIT
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WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW

WATERSHED: UPPER OHIO SOUTH
DISTRICT: LIBERTY COUNTY: MARSHALL
ELEVATION: 1052.5'
SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM
QUADRANGLE: LITTLETON, WV
OIL & GAS ROYALTY OWNER: JOSEPH LEE AND MICHAEL D. YOCUM
ACREAGE: ±97.07
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: 7,298' TVD 22,018' TMD



09/16/2022

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508	DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
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LEGEND: ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION (W) EXISTING WATER WELL (S) EXISTING SPRING — NATURAL WATERWAY — SURVEYED BOUNDARY — LEASE BOUNDARY — PROPOSED PATH — PUBLIC ROAD	REVISIONS: DATE: 06-01-2022 API NO: 47-051-XXXXX DRAWN BY: R. GRIMES SCALE: 1" = 4000' DRAWING NO: 2017-154 WELL LOCATION PLAT
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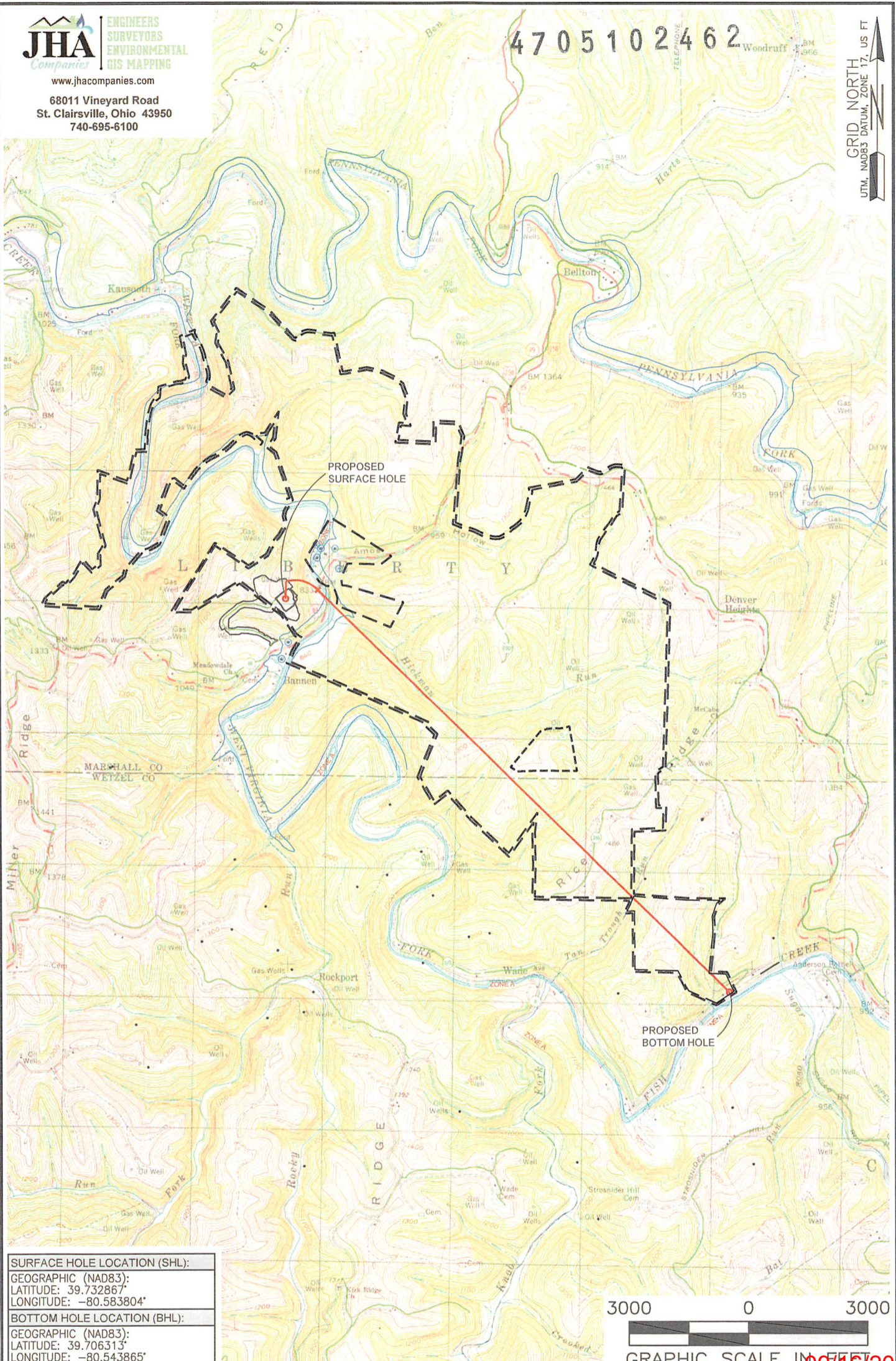
WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	YOCUM JOSEPH LEE & MICHAEL D	7-26-9
TRACT	SURFACE OWNER	TAX PARCEL
2	STIPETICH SUSAN F & FRANK R	7-27-4.2
3	VELLEKOOP PETER B ET UX - TOD	7-27-11
4	W VA WILDLIFE RESOURCES SECTION	7-24-1
5	WILLIAMS KATHERINE E TRUST	1-3-1
6	ABEREGG D W EST & ABEREGG WILLIAM D ETAL L/E ABEREGG DA	1-3-2
7	WILLIAMS LONNIE L	1-3-7
8	WILLIAMS JOHN EDWARD	1-3-9
9	WILLIAMS JOHN EDWARD	1-3-8
10	CBC HOLDINGS LLC	3-1-8.1
11	DRAHEIM GARY W JR ETAL	3-1-9
12	DRAHEIM GARY WAYNE JR ETAL	3-1-10
13	WAYNE CARMINT REALTY LLC	3-1-19
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	JOHNSON VERNON S EST	3-1-1
J	DRAHEIM HERBERT P ET AL	3-1-6
K	DRAHEIM HERBERT P ETAL	3-1-5
L	MILLIKEN KEVIN R ETAL	3-1-11
M	MILLIKEN KEVIN R ETAL	3-1-12
N	GORBY GREGORY A & CYNTHIA D	3-1-14
O	CONSOLIDATED GAS TRANS CORP	3-1-18
P	CONSOLIDATED GAS TRANSMISSION	3-1-32
Q	CONSOLIDATED GAS TRANS CORP	3-1-20
R	CONSOLIDATED GAS TRANS CORP	3-1-21
S	MILLIKEN KEVIN R ETAL	3-1-8
T	MCGUFFIE ARCH	1-6-5
U	UNKNOWN	UNKNOWN
V	CONSOLIDATED GAS TRANSMISSION	1-3-5
W	SEIDLER EARL DALE & NETTIE	1-2-6.1
X	VELLEKOOP PETER B ET UX - TOD	7-27-13
Y	HIGH PHILIP D	7-27-8
Z	YOCUM MICHAEL DAVID ET AL	7-27-4.1
AA	YOCUM JOSEPH LEE & MICHAEL D	7-27-5
AB	HORNER DELORSE A	7-26-10
AC	CONSOLIDATED GAS SUPPLY CORP	7-26-8
AD	BUZZARD COLIN R	7-26-3
AE	BUTLER JOHN M & LISA A	7-26-11.1
AF	HUNDRED RESOURCES INC	7-26-11
AG	RIGGS JOHN E JR & DELANA	7-27-2
AH	MORGAN JAMES E - LIFE	7-26-14
AI	GRIFFEN M PEGGY REVOCABLE LIVING TRUST	7-19-28
AJ	FROMHART BRAD ET UX - LIFE	7-20-41
AK	UNDERDONK ALAN	7-16-25.1
AL	BURLEY AMMON ET UX	7-20-12
AM	BURLEY AMMON A	7-20-24
AN	BURLEY AMON A	7-20-37
AO	GEDEON DANIEL D ET UX	7-26-6
AP	VELLEKOOP PETER B ET UX - TOD	7-26-6.1
AQ	VELLEKOOP PETER B ET UX - TOD	7-26-6.2
AR	VELLEKOOP PETER B ET UX - TOD	7-27-10.1
AS	WADE MICHAEL CLAY & MCCCELLAND LAWRENCE W - TOD ET AL	7-24-6

09/16/2022

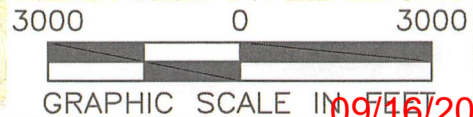
REVISIONS:	COMPANY: 			
	OPERATOR'S YOCUM MSH		DATE: 06-01-2022	
	WELL #: 47-051-02462 10H		API NO: 47-051-XXXXX	
	DISTRICT: LIBERTY	COUNTY: MARSHALL	STATE: WV	DRAWN BY: R. GRIMES
				SCALE: N/A
				DRAWING NO: 2017-154
				WELL LOCATION PLAT

4705102462

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.732867°
LONGITUDE: -80.583804°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.706313°
LONGITUDE: -80.543865°



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

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC		WELL (FARM) NAME: YOCUM MSH		WELL # 10H	SERIAL # XXXX
ADDRESS: 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508		COUNTY: MARSHALL	CODE: 103	DISTRICT: LIBERTY	API # 47-103-XXXX
SURFACE OWNER: JOSEPH LEE AND MICHAEL D. YOCUM		USGS 7 1/2 QUADRANGLE MAP NAME: WILEYVILLE, WV			

09/16/2022