

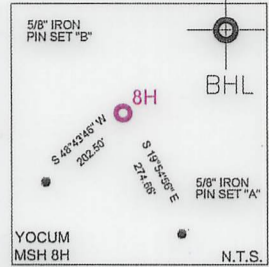
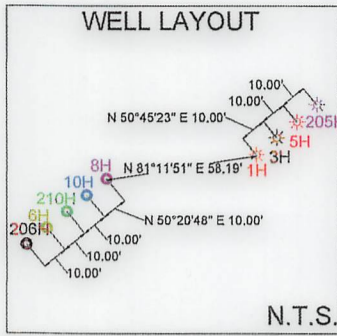
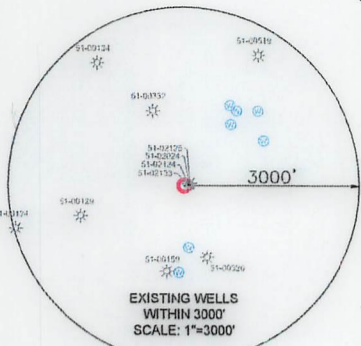
LATITUDE: 39°45' SURFACE HOLE (2000' SCALE) 96'

LATITUDE: 39°42'30" BOTTOM HOLE (2000' SCALE) 1,205'

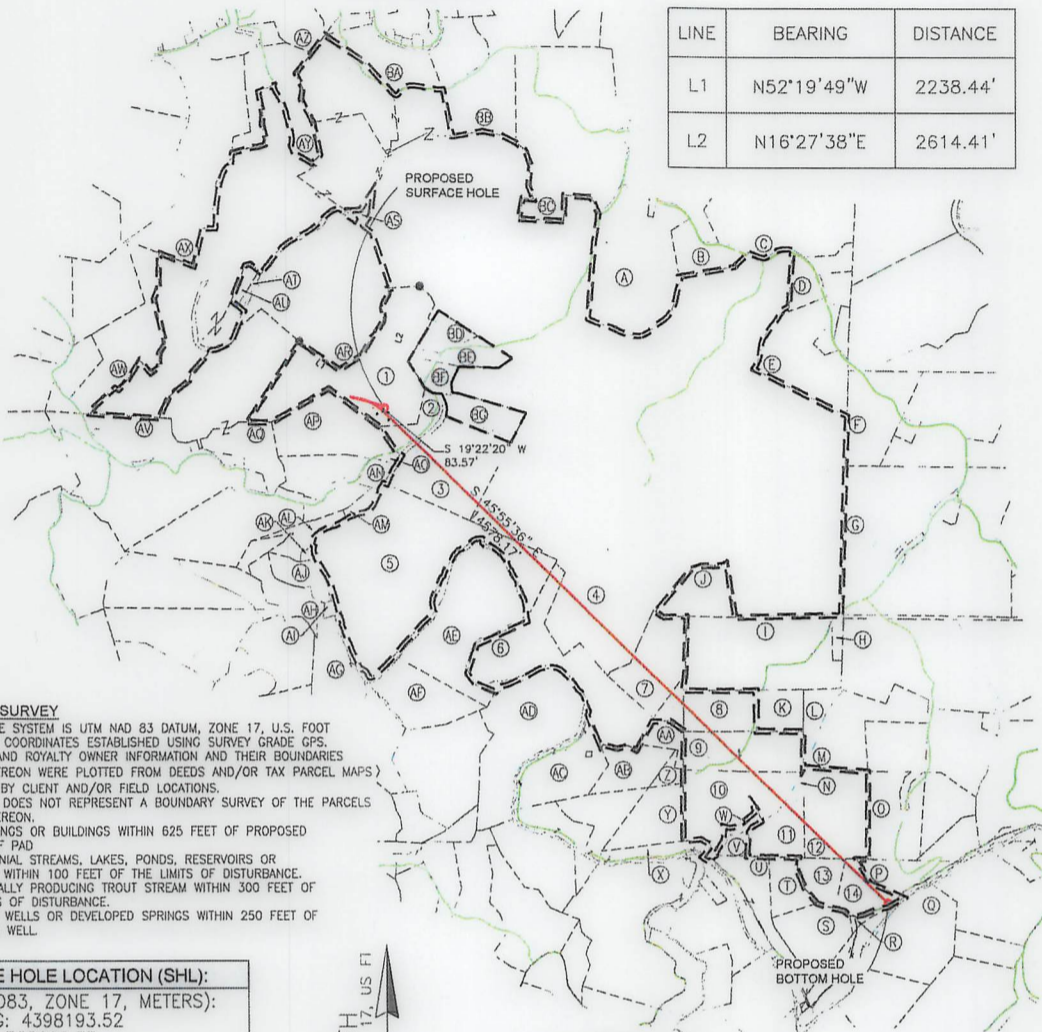


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68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



LINE	BEARING	DISTANCE
L1	N52°19'49"W	2238.44'
L2	N16°27'38"E	2614.41'

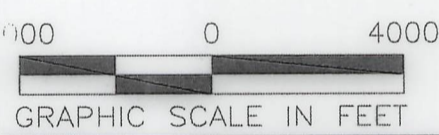
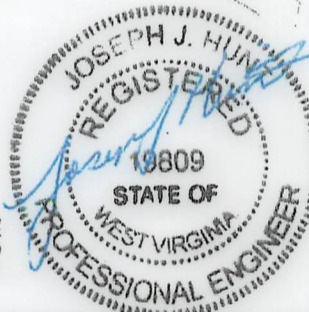


NOTES ON SURVEY

- 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: 4398193.52
EASTING: 535666.77
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4398169.37
EASTING: 535658.73
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4395133.41
EASTING: 538901.21

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



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

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	DEGREE OF ACCURACY: 1/200	YOCUM 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 #:	8H	
			API WELL #:	47	051 02461
				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: 7,291' TVD 22,169' TMD

09/16/2022

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: 06-01-2022
PROPOSED SURFACE HOLE / BOTTOM HOLE		API NO: 47-051-XXXXX
EXISTING / PRODUCING WELLHEAD	NATURAL WATERWAY	DRAWN BY: R. GRIMES
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	

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	VELLEKOOP PETER B ET UX - TOD	7-27-13
6	SEIDLER EARL DALE & NETTIE	1-2-6.1
7	WILLIAMS KATHERINE E TRUST	1-3-1
8	WILLIAMS LONNIE L	1-3-7
9	WILLIAMS JOHN EDWARD	1-3-8
10	MCGUFFIE ARCH	1-6-5
11	MILLIKEN KEVIN R ETAL	3-1-8
12	DRAHEIM GARY W JR ETAL	3-1-9
13	CONSOLIDATED GAS TRANS CORP	3-1-21
14	CONSOLIDATED GAS TRANS CORP	3-1-20

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	ABEREGG D W EST & ABEREGG	1-3-2
J	WADE MICHAEL CLAY & MCCLELLAND LAWRENCE W - TOD ET AL	7-24-6
K	WILLIAMS JOHN EDWARD	1-3-9
L	JOHNSON VERNON S EST	3-1-1
M	DRAHEIM HERBERT P ET AL	3-1-6
N	CBC HOLDINGS LLC	3-1-8.1
O	DRAHEIM GARY WAYNE JR ETAL	3-1-10
P	CONSOLIDATED GAS TRANS CORP	3-1-19
Q	CONSOLIDATED GAS TRANSMISSION	3-1-32
R	CONSOLIDATED GAS TRANSMISSION	3-1-31
S	CONSOLIDATED GAS TRANSMISSION	3-1-29
T	PHILLIPS JR CHARLES R	3-1-22
U	S&R INVESTMENTS	3-1-23
V	CONSOLIDATED GAS TRANS CORP	3-1-7
W	MILLIKEN KEVIN R ETAL	1-6-6
X	BERRY LAWRENCE C & DOROTHY J	1-6-8
Y	WILLIAMS JOHN E HRS	1-6-4
Z	UNKNOWN	UNKNOWN
AA	CONSOLIDATED GAS TRANSMISSION	1-3-5
AB	BLACKROCK ENTERPRISES LLC	1-6-1
AC	SEIDLER E DALE & NETTIE L	1-5-10

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AD	SEIDLER E DALE & NETTIE L	1-2-6.2
AE	WV STATE COMMERCE BUREAU OF NAT RESOURCES DIVISION	1-2-6
AF	WV STATE COMMERCE BUREAU OF NAT RESOURCES DIVISION	1-2-12
AG	MCINTIRE STEPHEN ROSS	1-2-5
AH	FERDA BRIAN T ET UX	7-27-15
AI	FITZSIMMONS SCOTT M ET AL	7-27-14
AJ	FERDA BRIAN T ET UX	7-27-16
AK	FERDA BRIAN T ET UX	7-27-16.1
AL	GEHO ANNIE L EST	7-27-21
AM	BURGE DELORES E ET AL	7-27-10
AN	HIGH PHILIP D	7-27-8
AO	YOCUM JOSEPH LEE & MICHAEL D	7-27-4.1
AP	YOCUM JOSEPH LEE & MICHAEL D	7-27-5
AQ	HORNER DELORSE A	7-26-10
AR	CONSOLIDATED GAS SUPPLY CORP	7-26-8
AS	BUZZARD COLIN R	7-26-3
AT	BUTLER JOHN M & LISA A	7-26-11.1
AU	HUNDRED RESOURCES INC	7-26-11
AV	RIGGS JOHN E JR & DELANA	7-27-2
AW	MORGAN JAMES E - LIFE	7-26-14
AX	GRIBBEN M PEGGY REVOCABLE LIVING TRUST	7-19-28
AY	FROMHART BRAD ET UX - LIFE	7-20-41
AZ	UNDERDONK ALAN	7-16-25.1
BA	BURLEY AMMON ET UX	7-20-12
BB	BURLEY AMMON A	7-20-24
BC	BURLEY AMON A	7-20-37
BD	GEDEON DANIEL D ET UX	7-26-6
BE	VELLEKOOP PETER B ET UX - TOD	7-26-6.1
BF	VELLEKOOP PETER B ET UX - TOD	7-26-6.2
BG	VELLEKOOP PETER B ET UX - TOD	7-27-10.1

09/16/2022

REVISIONS:	COMPANY: SWN Production Company, LLC		SWN ^{R2-V+0} Production Company™	
	OPERATOR'S YOCUM MSH		DATE: 06-01-2022	
	WELL #: 47-051-02461 8H		API NO: 47-051-XXXXX	
	DISTRICT: LIBERTY		STATE: WV	DRAWN BY: R. GRIMES
	COUNTY: MARSHALL		SCALE: N/A	
		DRAWING NO: 2017-154		
		WELL LOCATION PLAT		



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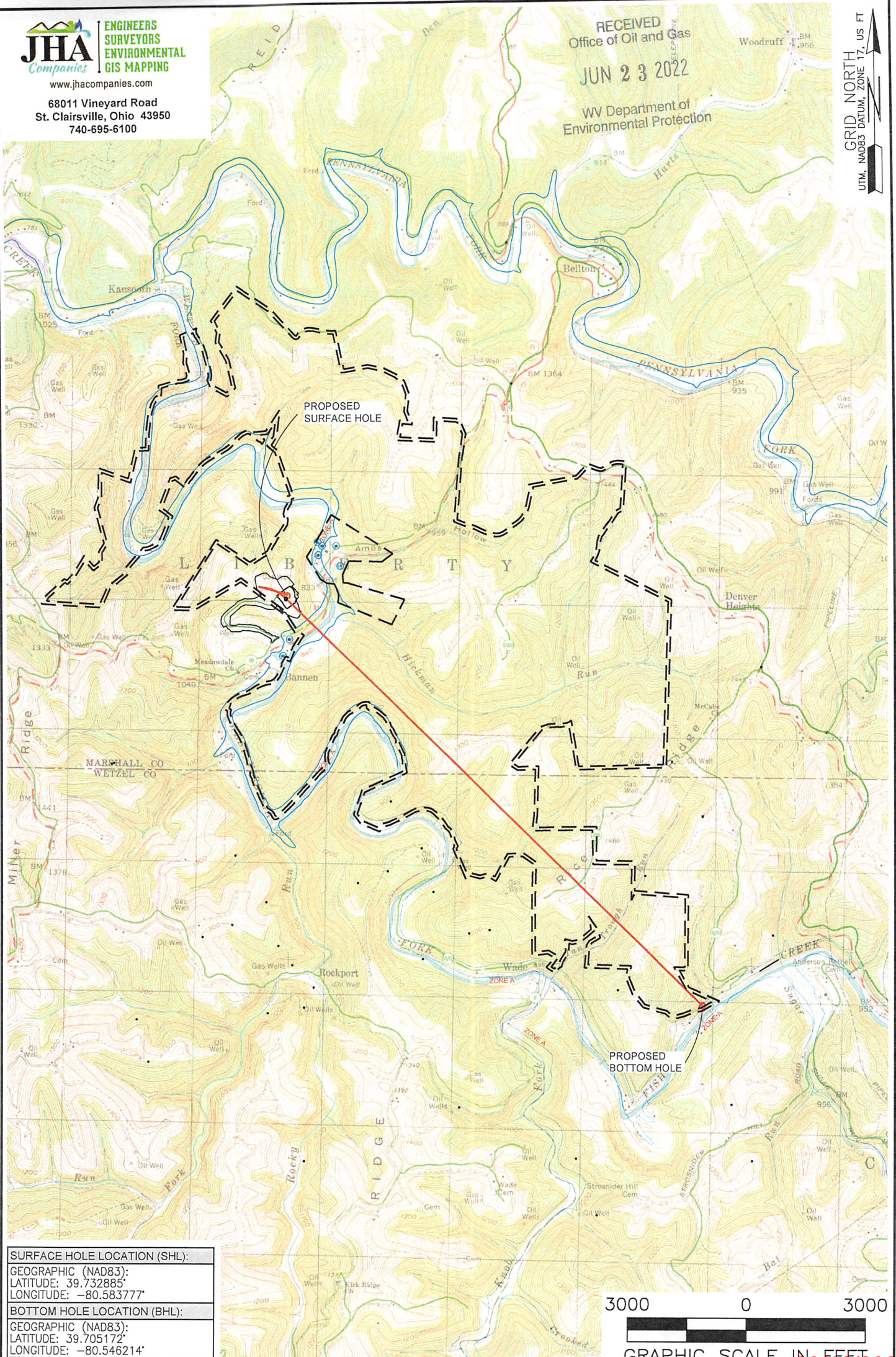
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740-695-6100

RECEIVED
Office of Oil and Gas

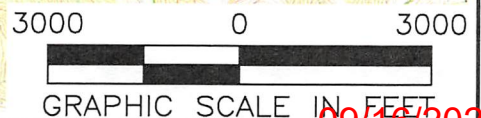
JUN 23 2022

WV Department of
Environmental Protection

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



SURFACE HOLE LOCATION (SHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.732885°
LONGITUDE: -80.583777°
BOTTOM HOLE LOCATION (BHL):
GEOGRAPHIC (NAD83):
LATITUDE: 39.705172°
LONGITUDE: -80.546214°



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
- ⊙ EXISTING / PRODUCING WELLHEAD
- ✱ LPL: LANDING POINT LOCATION
- FLOOD PLAN
- NATURAL WATERWAY
- ACCESS ROAD
- PUBLIC ROAD
- ACCESS ROAD TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH

09/16/2022

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: YOCUM MSH		WELL # 8H	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			