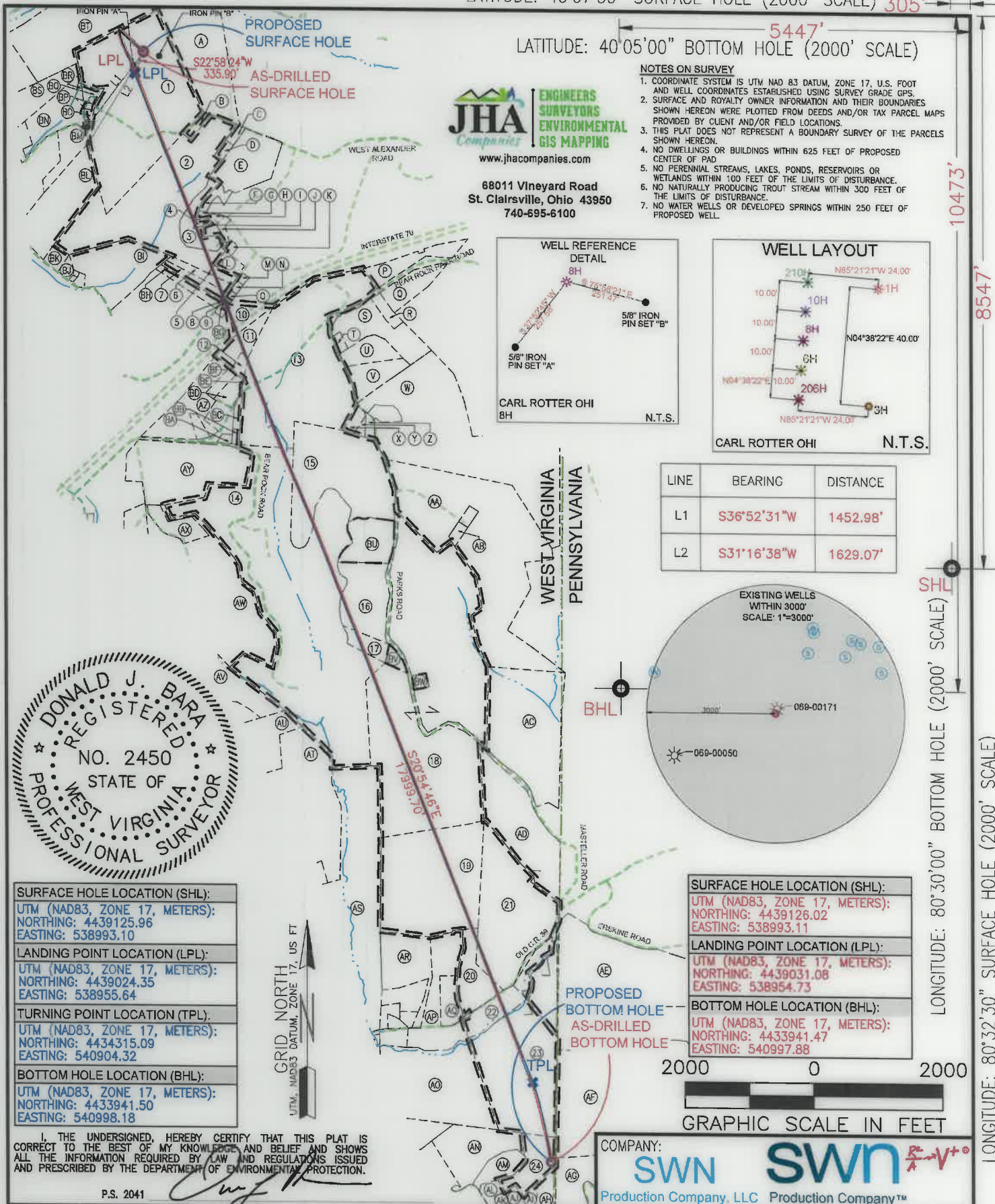


LATITUDE: 40°07'30" SURFACE HOLE (2000' SCALE) 305'

LATITUDE: 40°05'00" BOTTOM HOLE (2000' SCALE) 5447'

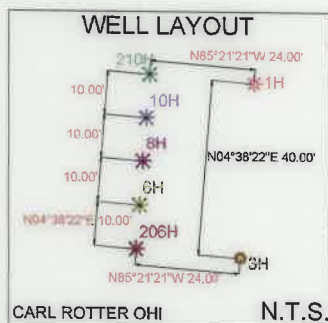
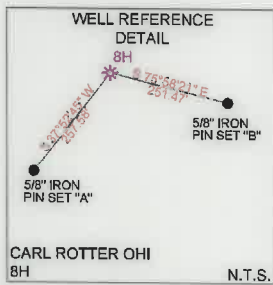


JHA Companies
ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com

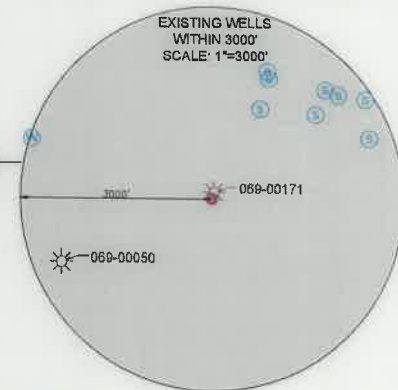
68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

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.

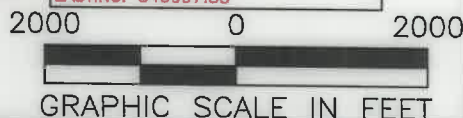


LINE	BEARING	DISTANCE
L1	S36°52'31"W	1452.98'
L2	S31°16'38"W	1629.07'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4439125.96 EASTING: 538993.10
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4439024.35 EASTING: 538955.64
TURNING POINT LOCATION (TPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4434315.09 EASTING: 540904.32
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4433941.50 EASTING: 540998.18

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4439126.02 EASTING: 538993.11
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4439031.08 EASTING: 538954.73
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4433941.47 EASTING: 540997.88



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. 2041

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	OPERATOR'S WELL #: CARL ROTTER OHI 8H
	PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	API WELL #: 47 069 00330

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1336.7'

DISTRICT: LIBERTY COUNTY: OHIO QUADRANGLE: VALLEY GROVE, WV

SURFACE OWNER: CARL J. & GRACE A. ROTTER ACREAGE: ±77.45

OIL & GAS ROYALTY OWNER: CARL J. & GRACE A. ROTTER ACREAGE: ±77.45

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,818' 10/21/2022

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: 08-12-2022
● EXISTING BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL* EXISTING LANDING POINT LOCATION ● PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION	— ACCESS ROAD — PUBLIC ROAD — FLOOD PLAN — LEASE BOUNDARY — AS-DRILLED PATH — PROPOSED PATH	API NO: 47-069-00330 DRAWN BY: R. GRIMES SCALE: 1" = 2000' DRAWING NO: 2018-0153 WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ROTTER CARL J & GRACE A (S/R)	3-111-54
TRACT	SURFACE OWNER	TAX PARCEL
2	KLAGES LLOYD A JR	3-111-46.18
3	HOMESTEAD FARMS LLC	3-111-46
4	TUNNEL RIDGE LLC	3-111-46.4
5	TUNNEL RIDGE LLC	3-114-51
6	TUNNEL RIDGE LLC	3-114-52.1
7	CAROLLA FRANK A JR	3-114-52.2
8	STATE OF WEST VIRGINIA DEPARTMENT OF HIGHWAYS	STOOLFIRE/WEST ALEXANDER ROAD
9	ACKLEY MARC & STACY LYNN	3-114-44
10	STATE OF WEST VIRGINIA DEPARTMENT OF HIGHWAYS	INTERSTATE 70
11	TULLY JAMES M & VERONICA	3-114-31.2
12	TULLY JAMES M	3-114-31.4
13	PAGENDARM PATRICIA M.	3-115-2.2
14	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	6-T5-1
15	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	6-T5-2
16	DAVIS JOHN RICHARD JR & ADA I	6-T5-2.1
17	DAVIS JOHN RICHARD & ADA I	6-T5-2.3
18	DAVIS JOHN RICHARD ET AL	6-T10-1
19	WINESBURG MICHAEL J	6-T10-5.4
20	RICHEY DONALD EDWARD JR & RICHEY CHRISTINE	6-T10-5.9
21	HORR DONNIE L & MICHELLE	6-T10-4.1
22	ASHTON BETH A & JACOBS DOUGLAS E	6-T10-9
23	LEMMON WADE LEE; LEMMON JOSHUA; LEMMON MORGAN	6-T10-10
24	ALDERMAN ROY M	6-T10-11.4
ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	GRIFFITH SHARON & WARREN	3-111-60.1
B	SCHMIDT TODD R	3-111-46.22
C	POWERS JEFFREY B	3-111-46.20
D	KLAGES PROPERTIES LLC	3-111-46.9
E	WOLEN JOHN J & MICHELLE L	3-111-46.11
F	TUNNEL RIDGE LLC	3-111-46.17
G	TUNNEL RIDGE LLC	3-111-48.8
H	TUNNEL RIDGE LLC	3-111-45.1
I	TUNNEL RIDGE LLC	3-111-46.5
J	MOORE SCOTT E & LEAH	3-111-46.10
K	TUNNEL RIDGE LLC	3-111-46.7
L	HENDERSON DENNIS C & MURPHY PATRICIA A	3-114-53
M	VILLERS CLARK & MALINDA	3-114-41
N	TUNNEL RIDGE LLC	3-114-42
O	CONRAD JENNIFER L & BENJAMIN M	3-114-43
P	TRIPLE P LLC	3-112-18.8
Q	TRIPLE P LLC	3-112-18.9
R	BERGHOFF BRAD W	3-115-2.9
S	BERGHOFF GERALD W	3-115-2.6
T	GYEKIS ROBERT J & VICKI L	3-115-2.3
U	ERNEST LAWRENCE F & DEBORAH	3-115-3
V	ERNEST LAWRENCE F & DEBORAH K	3-115-4.1
W	OLIVER LUCAS B	3-115-4
X	MORGAN SALLY A	3-115-2.4
Y	MORGAN SALLY A	3-115-2.8
Z	JEWETT CLARENCE G AND TRACY	3-115-4.2
AA	TUNNEL RIDGE LLC	3-115-4.6
AB	TUNNEL RIDGE LLC	3-115-4.4
AC	BRIGGS KAREN LYNN & HENRY WILLIAM	6-T10-4.2
AD	HORR DONNIE, BRIGGS KAREN L. & HORR GLEN	6-T10-4
AE	MOORE THOMAS E	680-005-00-00-0002-00
AF	HAGAN DAVID E & CLAIRE M FAM TRUST, DAVID E & CLAIRE M HAGAN TRUSTEES	680-005-00-00-0001-00

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
AG	DISAIA CHARLES D & REBECCA J	680-004-00-00-0006-04
AH	WHITEMAN FLORENCE J	6-T15-1
AI	WHITEMAN GUY D & FLORENCE JOANNE	6-T15-11.1
AJ	ALDERMAN ROY M	6-T15-13
AK	ALDERMAN BRANDI N	6-T15-12
AL	ALDERMAN ROY M	6-T10-11.7
AM	ALDERMAN ROY M	6-T10-11.3
AN	ALDERMAN ROY M	6-T10-11.6
AO	KRUPINSKI MARK D & PATTISHALL JAN M.	6-T10-5.6
AP	KRUPINSKI MARK D & PATTISHALL JAN M.	6-T10-5
AQ	SHOETIS JOHNN A D	6-T10-5.8
AR	PHILLIPS VANCE A & BRIANNE L	6-T10-5.5
AS	WILD LIFE LEAGUE OF OHIO CO	6-T10-2
AT	KOZIK JOHN A & JAMES E	6-T9-49
AU	RIGGLE PAUL; RIGGLE KIMBERLY	6-T9-48.5
AV	DAGUE FREDERICK W	6-T9-48
AW	ADAMS CAROLE JOYCE	6-T4-8
AX	ADAMS THOMAS E & AMANDA BAKER	6-T4-8.1
AY	WEST VIRGINIA DEPARTMENT OF NATURAL RESOURCES	3-114-29
AZ	BLAZIER ROBERT BRENT	3-114-31
BA	GARRETT JOHN W & CHRISTINA	3-114-37
BB	NIETZELT EDWARD L	3-114-38
BC	ERNEST KELLY MICHAEL	3-114-35
BD	ERNEST DEBORAH J	3-114-31.5
BE	ERNEST DEBORAH J	3-114-34
BF	TULLY JAMES M & VERONICA	3-114-31.1
BG	ACKLEY MARC & STACEY LYNN	3-114-45
BH	TUNNEL RIDGE LLC	3-114-52.3
BI	DEAN LAWRENCE J II & JANET S	3-114-49
BJ	WATSON GARY L	3-114-21
BK	HEINRICH EARNEST J III & ANGELA R	3-114-22
BL	TUNNEL RIDGE LLC	3-111-55.1
BM	WEASE DUANE L & RHONDA L	3-111-55.2
BN	DAVIS DONNA EVANS; WEASE RHONDA EVANS	3-111-49
BO	ROTTER CJ & GRACE A	3-111-53
BP	ROTTER CJ & GRACE A	3-111-52
BQ	DAVIS DONNA E & DANIEL R	3-111-50
BR	DAVIS DONNA EVANS & DANIEL R	3-111-49.2
BS	ROTTER CARL J & GRACE A	3-111-64
BT	NOLAN JOHN A JR	3-111-61
BU	GIVENS HERCHEL L & JONES DOROTHY S	6-T5-2.2
BV	DAVIS JOHN R JR & ADA I	6-T5-6
BW	DAVIS DEBRA L	6-T5-5

10/21/2022

REVISIONS:	COMPANY: SWN Production Company, LLC		DATE: 08-12-2022	
	OPERATOR'S: CARL ROTTER OHI		API NO: 47-069-00330	
	WELL #: 8H		DRAWN BY: R. GRIMES	
	DISTRICT: LIBERTY	COUNTY: OHIO	STATE: WV	SCALE: N/A
				DRAWING NO: 2018-0153
				WELL LOCATION PLAT

COMPLETION ID 2501165870
PAD ID 3001156596