

LATITUDE: 40°07'30" SURFACE HOLE (2000' SCALE) 307'

6830'
LATITUDE: 40°05'00" BOTTOM HOLE (2000' SCALE)



www.jhacompanies.com

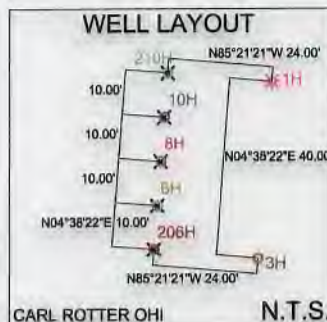
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

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

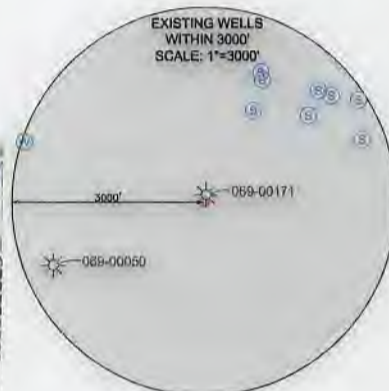
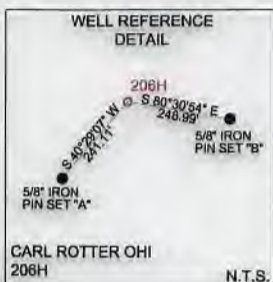


NOTES ON SURVEY

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.



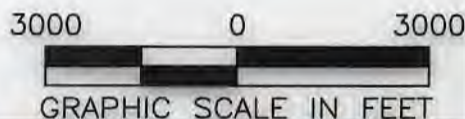
LINE	BEARING	DISTANCE
L1	S37°18'04"W	1436.11'
L2	S31°35'47"W	1611.21'



LONGITUDE: 80°30'00" BOTTOM HOLE (2000' SCALE)
11365'
8567'

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

SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4439119.88 EASTING: 538992.70
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4438809.43 EASTING: 538449.48
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4433667.26 EASTING: 540577.41



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

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>CARL ROTTER OHI</p> <p>OPERATOR'S WELL #: 206H</p> <p>API WELL #: 47 069 00329 STATE COUNTY PERMIT</p>
	<p>WVDEP</p>	<p>HGA</p>

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1335.9'

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)

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,802' TVD 25,616' TMD

10/21/2022

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

<p>LEGEND:</p> <ul style="list-style-type: none"> PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD LANDING POINT LOCATION EXISTING WATER WELL EXISTING SPRING NATURAL WATERWAY SURVEYED BOUNDARY LEASE BOUNDARY PROPOSED PATH PUBLIC ROAD 	<p>REVISIONS:</p>	<p>DATE: 10-08-2020</p> <p>API NO: 47-069-XXXXX</p> <p>DRAWN BY: R. GRIMES</p> <p>SCALE: 1" = 3000'</p> <p>DRAWING NO: 2018-0153</p> <p>WELL LOCATION PLAT</p>

WELL BORE TABLE FOR SURFACE/ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ROTTER CARL J & GRACE A (S/R)	3-111-50
TRACT	SURFACE OWNER	TAX PARCEL
2	NOLAN JOHN A JR	3-111-61
3	ROTTER CARL J & GRACE A	3-111-65
4	ROTTER CARL J & GRACE A	3-111-64
5	DAVIS DONNA E, WEASE RHONDA	3-111-49
6	STATE OF WEST VIRGINIA DEPARTMENT OF HIGHWAYS	FRESTLEWORK ROGERS RD
7	TUNNEL RIDGE LLC	3-111-55
8	WEASE DUANE L & RHONDA L	3-111-58
9	WEASE DUANE L & RHONDA L	3-111-55.2
10	TUNNEL RIDGE LLC	3-111-55.1
11	KLAGES LLOYD A JR	3-111-46.18
12	DEAN LAWRENCE J II & JANET S	3-114-49
13	SPEAKER BERNARD P & AMY L	3-114-24.2
14	DEAN LAWRENCE J II & MICHELLE R	3-114-24.4
15	TUNNEL RIDGE LLC	3-114-24.1
16	BAKER BRUCE A & TAMMY A	3-114-52.4
17	STATE OF WEST VIRGINIA DEPARTMENT OF HIGHWAYS	STOOLFIRE/WEST ALEXANDER ROAD
18	TUNNEL RIDGE LLC	3-114-32
19	STATE OF WEST VIRGINIA DEPARTMENT OF HIGHWAYS	INTERSTATE 70
20	BLAZIER ROBERT BRENT	3-114-31
21	WEST VIRGINIA DEPARTMENT OF NATURAL RESOURCES	3-114-29
22	CONSERVATION COMM OF WV	6-115-1
23	ADAMS CAROLE JOYCE	6-114-6
24	ADAMS THOMAS E & AMANDA BAKER	6-114-8.1
25	DAGUE FREDERICK W	6-119-48
26	RIGGLE PAUL, RIGGLE KIMBERLY	6-119-48.5
27	KOZIK JOHN A & JAMES E	6-119-49
28	KOZIK JOHN A & CHERYL A	6-119-12
29	WILD LIFE LEAGUE OF OHIO CO	6-110-2
30	NICK GREGORY W & ELIZABETH I	6-110-5.1
31	HAUGHT RANDY T & BRITTANY L	6-110-5.7
32	KRUPINSKI MARK D & PATTISHALL JAN M	6-110-5.6
33	STRAWN REX M & BETH ANN	6-110-11.2
34	ALDERMAN CHRISTINA M, C/O GARRETT CHRISTINA	6-110-11.5
35	GARRETT CHRISTINA M & AMBER C MOORE	6-110-11
36	GARRETT CHRISTINA M & ALDERMAN BRANDI N	6-110-11.1
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	HOMESTEAD FARMS LLC	3-111-46
G	MOORE SCOTT E & LEAH	3-111-46.10
H	OHIO RIVER COLLIERIES COMPANY	3-111-46.3
I	KING PATRICK R	3-111-46.7
J	HENDERSON DENNIS C & MURPHY PATRICIA A	3-114-51
K	TUNNEL RIDGE LLC	3-114-51
L	TUNNEL RIDGE LLC	3-114-52.1
M	CAROLLA FRANK A JR	3-114-52.2
N	TUNNEL RIDGE LLC	3-114-52.3
O	TUNNEL RIDGE LLC	3-114-52.24
P	TUNNEL RIDGE LLC	3-114-52.26
Q	TUNNEL RIDGE LLC	3-114-52.33
R	TUNNEL RIDGE LLC	3-114-52.32
S	TUNNEL RIDGE LLC	3-114-52.34
T	SMITH WESLEY DALE, BETTY ANN	3-114-52.39
U	HUNTLEY CHAD D & SUSAN L	3-114-52.7
V	WINTERS ROBERT E	3-114-52.19
W	KNICELY GERALD L & JO ANN, TR 2009 KNICELY FAMILY IRR TRUST	3-114-52.20

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
X	HEWITT PATRICIA E	3-114-52.6
Y	TUNNEL RIDGE LLC	3-114-33
Z	TULLY JAMES M & VERONICA	3-114-31.2
AA	TULLY JAMES M & VERONICA	3-114-31.1
AB	GARRETT JOHN W & CHRISTINA M	3-114-31.6
AC	ERNEST DEBORAH J	3-114-31.5
AD	HOCKENBERRY JAMES MICHAEL	3-114-31.3
AE	HOCKENBERRY JAMES MICHAEL	3-114-31.7
AF	BROWN MARCINDA LEE & GARY	3-114-31.8
AG	GARRETT JOHN W & CHRISTINA	3-114-37
AH	NIETZELT EDWARD L	3-114-38
AI	PAGENDARM PATRICIA M	3-115-2.2
AJ	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	6-115-2
AK	JONES DOROTHY S & GIVENS HERSCHELL	6-115-2.2
AL	DAVIS JOHN R & ADA I	6-115-2.1
AM	DAVIS JOHN RICHARD & ADA I	6-115-2.3
AN	DAVIS JOHN RICHARD JR & ADA I	6-115-6
AO	DAVIS JOHN RICHARD ET AL	6-110-1
AP	WINESBURG MICHAEL I	6-110-5.4
AQ	PHILLIPS VANCE A & BRIANNE L	6-110-5.5
AR	NICK CLINTON W & JENNIFER M	6-110-5.2
AS	HOCKING GEORGE M & JOAN ANN - TOD	6-110-5.10
AT	NICK CLINTON W NICK JENNIFER M	6-110-5.3
AU	KRUPINSKI MARK D & PATTISHALL JAN M	6-110-5
AV	KRUPINSKI MARK D & PATTISHALL JAN M	6-110-9
AW	LEMMON WADE LEE, LEMMON JOSHUA, LEMMON MORGAN	6-110-10
AX	ALDERMAN ROY M	6-110-11.6
AY	ALDERMAN ROY M	6-110-11.3
AZ	ALDERMAN ROY M	6-110-11.7
BA	WHITEMAN FLORENCE J	6-115-11
BB	MACRI GARY A	6-115-11.2
BC	SMITH WAYNE P & GRACE A	6-115-2
BD	ALDERMAN ROY & BRANDI	6-115-3
BE	MCCONN MICHELE M TRUSTEE	6-115-4
BF	STRAWN REX M & BETH ANN	6-114-36.1
BG	STRAWN HAROLD REX	6-114-33
BH	SLIGAR DAVID B & EASTER A	6-110-7
BI	MCDONALD MICHAEL W & VALERIE R	6-119-51
BJ	MCDONALD ZACHARY MICHAEL	6-119-51.2
BK	KOZIK KALEIGH A. & MCKENZIE CHAD A	6-119-49.3
BL	HENDERSON JOHN M & HENDERSON ELIZABETH STARR	6-119-51.1
BM	HENDERSON JOHN M & HENDERSON ELIZABETH STARR	6-119-50
BN	HENDERSON JOHN M & DAVID L	6-119-34
BO	DAGUE FREDERICK W	6-119-45
BP	DAGUE FREDERICK W	6-119-45.1
BQ	BLACK SCOTT A	6-114-7
BR	LEWTON TIMOTHY M ET AL LEWTON FREDERICK M - LE	6-114-7.3
BS	HRUTKAY LISA	6-114-11
BT	HASENAUER RICHARD W & MARGARET K	6-114-11.2
BU	HASENAUER RICHARD W & MARGARET K	6-114-11.1
BV	HASENAUER RICHARD W & MARGARET K	6-114-11.3
BW	LEWTON TIMOTHY M ET AL LEWTON FREDERICK M - LE	6-114-10
BX	LEWTON SUE ANN	6-114-10.1
BY	BLAZIER BETH ANN	3-114-27.31
BZ	TUNNEL RIDGE LLC	3-114-27.37
CA	HICKS PAUL F JR & HICKS TANYA R	3-114-27
CB	TUNNEL RIDGE LLC	3-114-52.18
CC	TUNNEL RIDGE LLC	3-114-52.21
CD	YOURKOVICH JEFFREY	3-114-52.22
CE	JONES CHARLES & MARGARET	3-114-52.23
CF	SALOMON GREG F & CARNAHAN JAN M	3-114-24.3
CG	KLEEH CHAD D, KLEEH TAMI L & WATSON GARY	3-114-28
CH	KLEEH TAMI L	3-114-23
CI	KLEEH CHAD D, KLEEH TAMI L & WATSON GARY	3-114-23.1
CJ	WATSON GARY L	3-114-21
CK	HEINRICH EARNEST J III & ANGELA R	3-114-22
CL	WILDAMSON TERRY L	3-114-30
CM	NEIDHARDT CHRISTOPHER E & MARY BETH	3-111-38
CN	MULL CLYDE E JR AND HEIDI L	3-111-42.3
CO	MULL CLYDE E JR; HEIDI L MULL	3-111-55.3
CP	RAWLEY ELIZABETH (DCC) RAWLEY ROGER LEE	3-111-40
CQ	WV DOT	3-111-34.3
CR	TUNNEL RIDGE LLC	3-111-34.2
CS	TUNNEL RIDGE LLC	3-111-49.1
CT	DAVIS DANIEL R & DAVIS DONNA EVANS	3-111-49.3
CU	TUNNEL RIDGE LLC	3-111-56
CV	TUNNEL RIDGE LLC	3-111-34.1
CW	TUNNEL RIDGE LLC	3-111-71
CX	TUNNEL RIDGE LLC	3-111-72
CY	NOLAN JOHN A JR	3-111-66
CZ	TUNNEL RIDGE LLC	3-112-32
DA	DAVIS DONNA E & DANIEL R	3-111-50
DB	DAVIS DONNA EVANS & DANIEL R	3-111-49.2
DC	ROTTER C J & GRACE A	3-111-52
DD	ROTTER C J & GRACE A	3-111-53
DE	HACKATHORN TINA RAE & DAVID T JR	6-114-12
DF	STENGER WILLIAM J JR & SHIRLEY A	6-119-48.2
DG	GARRETT HAROLD R	6-119-48.1
DH	RIGGLE PAUL & KIMBERLY M	6-119-48.6
DI	RIGGLE PAUL, RIGGLE KIMBERLY	6-119-48.4
DJ	KOZIK JOHN A & CHERYL A	6-119-49.2
DK	KOZIK JAMES E & HEATHER L	6-119-49.1

10/21/2022

REVISIONS:	COMPANY: SWN Production Company, LLC		DATE: 10-08-2020	
	OPERATOR'S: CARL ROTTER OHI		API NO: 47-069-XXXX	
	WELL #: 47-069-00329 - H4A 206H		DRAWN BY: R. GRIMES	
	DISTRICT: LIBERTY	COUNTY: OHIO	STATE: WV	SCALE: N/A
				DRAWING NO: 2018-0153
				WELL LOCATION PLAT