

<b>SURFACE HOLE LOCATION (SHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.101526°
LONGITUDE: -80.542513°
<b>BOTTOM HOLE LOCATION (BHL):</b>
GEOGRAPHIC (NAD83):
LATITUDE: 40.054722°
LONGITUDE: -80.519318°

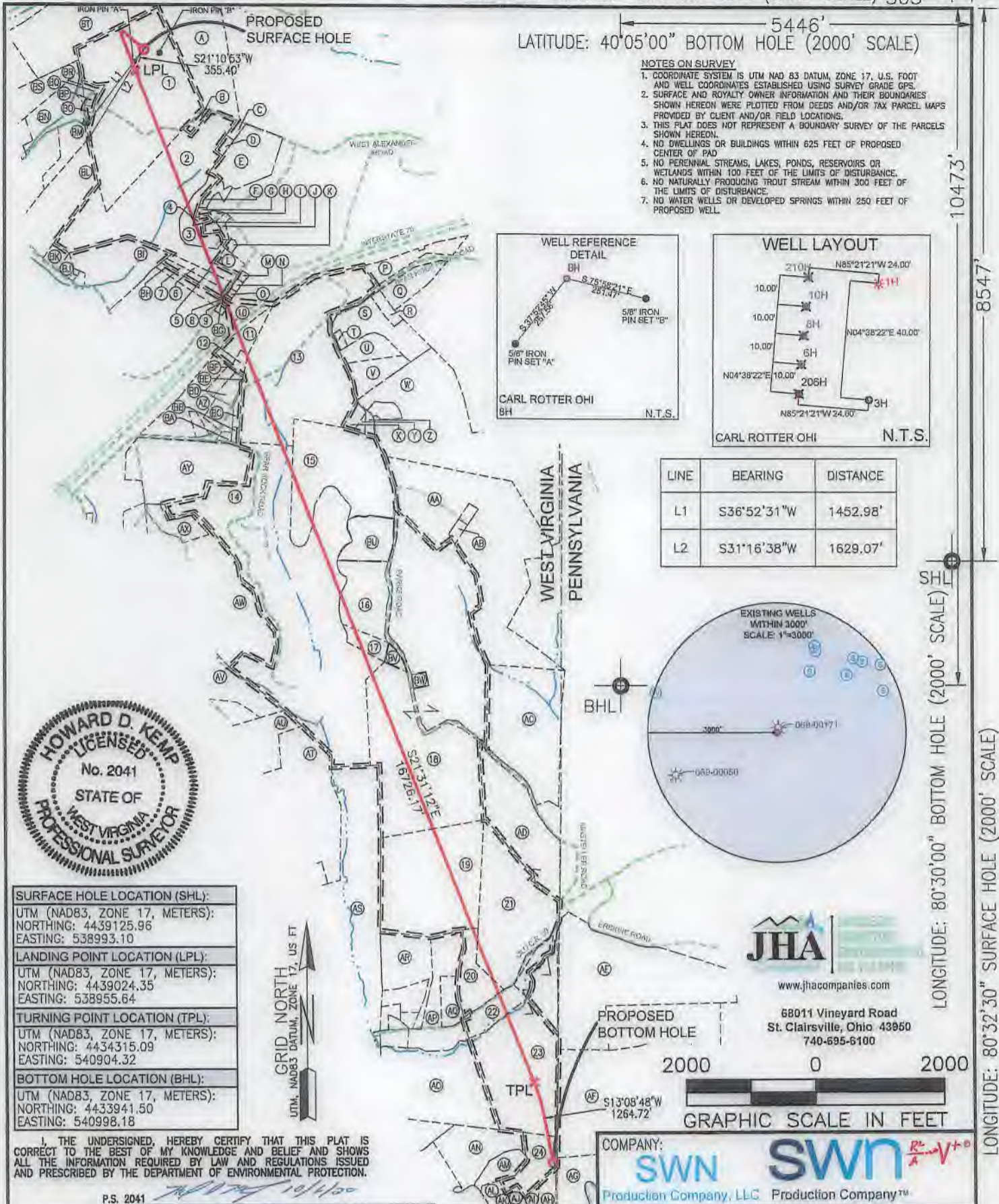
- NOTES ON SURVEY**
1. SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND/OR FIELD LOCATIONS.
  2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
  3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

<b>LEGEND:</b>	○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— NATURAL WATERWAY
★ EXISTING / PRODUCING WELLHEAD	— ACCESS ROAD	— PUBLIC ROAD
LPL × LANDING POINT LOCATION	— ACCESS ROAD TO PREV. SITE	— LEASE BOUNDARY
— FLOOD PLAIN	— PROPOSED PATH	

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> CARL ROTTER OHI	<b>WELL #</b> 8H	<b>SERIAL #</b> XXXX
<b>ADDRESS:</b> 1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508	<b>COUNTY:</b> OHIO	<b>CODE:</b> 9-00330	<b>DISTRICT:</b> LIBERTY
<b>SURFACE OWNER:</b> CARL J. & GRACE A. ROTTER	<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> VALLEY GROVE, WV		
			<b>API #</b> 47-69-XXXX

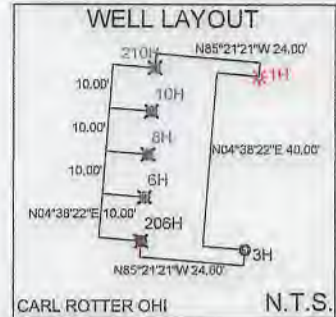
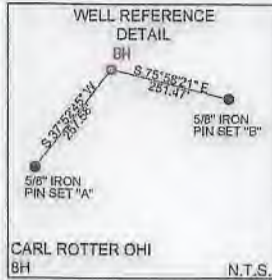
LATITUDE: 40°07'30" SURFACE HOLE (2000' SCALE) 305'

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

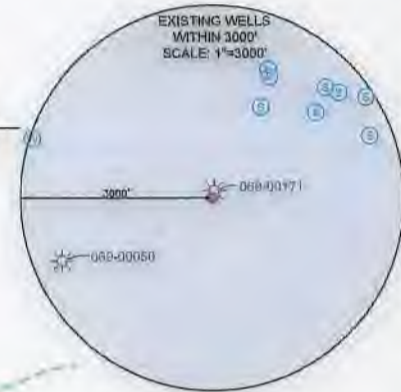


**NOTES ON SURVEY**

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'



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

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



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

GRAPHIC SCALE IN FEET

COMPANY: **SWN** Production Company, LLC

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	MINIMUM DEGREE OF ACCURACY: 1/200  PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: CARL ROTTER OHI 8H  API WELL #: 47 069 00330 STATE COUNTY PERMIT
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WELL TYPE: OIL  WASTE DISPOSAL  PRODUCTION  DEEP  GAS  LIQUID INJECTION  STORAGE  SHALLOW

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1336.0'

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: 6,807' TVD 24,993' 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

<b>LEGEND:</b> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL LANDING POINT LOCATION ⊕ EXISTING WATER WELL ⊙ EXISTING SPRING	— NATURAL WATERWAY — SURVEYED BOUNDARY = LEASE BOUNDARY — PROPOSED PATH — PUBLIC ROAD	<b>REVISIONS:</b> DATE: 10-06-2020 API NO: 47-069-XXXX DRAWN BY: R. GRIMES SCALE: 1" = 2000' DRAWING NO: 2018-0153 WELL LOCATION PLAT
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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	3-111-46.1
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	BRIIGGS 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	SHOLTIS JOHNNA D	6-T10-5.8
AR	PHILIPS 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 C J & GRACE A	3-111-53
BP	ROTTER C J & 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

REVISIONS:


COMPANY:					
OPERATOR'S		CARL ROTTER OHI		DATE: 10-06-2020	
WELL #:		47-069-00330		8H	
DISTRICT:		LIBERTY		COUNTY:	
		OHIO		STATE:	
				WV	
				DRAWN BY: R. GRIMES	
				SCALE: N/A	
				DRAWING NO: 2018-0153	
				WELL LOCATION PLAT	