

(2,000' SCALE) LATITUDE: 39°45'00" BOTTOM HOLE

4788'

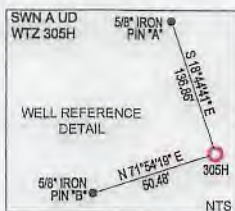
(2,000' SCALE) LATITUDE: 39°42'30" SURFACE HOLE

4112'



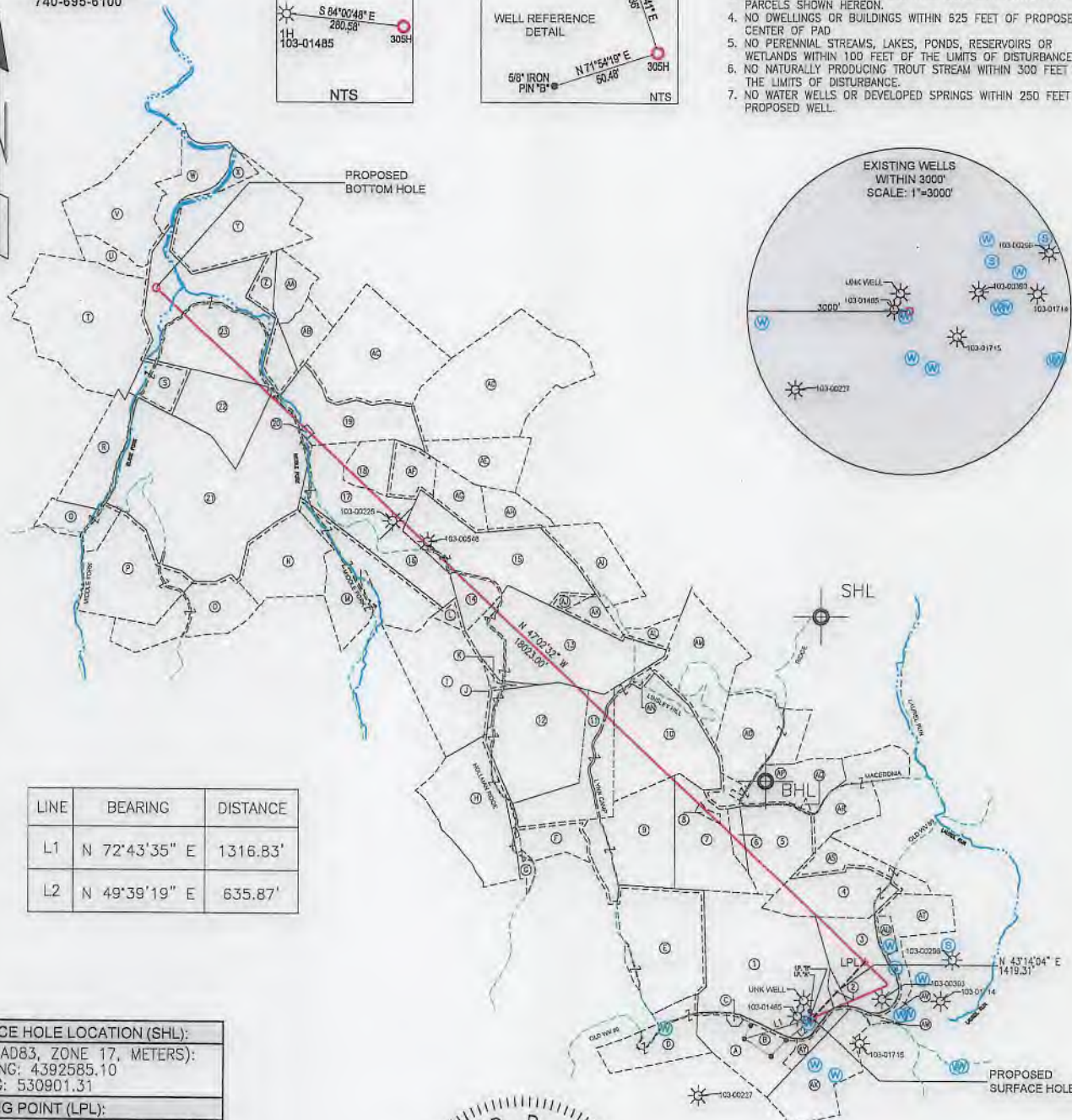
www.jhacompanies.com
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100

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



NOTES ON SURVEY

- 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 PLAT 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.

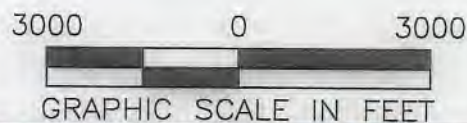


LINE	BEARING	DISTANCE
L1	N 72°43'35" E	1316.83'
L2	N 49°39'19" E	635.87'

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4392585.10
EASTING: 530901.31
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4392905.09
EASTING: 531192.24
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4396579.75
EASTING: 527111.24

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	MINIMUM DEGREE OF ACCURACY: 1/200	SWN A UD
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: WTZ 305H
		API WELL #: 47 103 03252	STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1,342.0'

DISTRICT: PROCTOR COUNTY: WETZEL QUADRANGLE: WILEYVILLE, WV

SURFACE OWNER: SWN PRODUCTION COMPANY, LLC ACREAGE: ±128.24

OIL & GAS ROYALTY OWNER: ISAAC L. CARNEY & MARY CARNEY, HIS WIFE & ET AL ACREAGE: ±128.24

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: BURKET SHALE ESTIMATED DEPTH: 7,216' TVD 25,792.0'TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY

ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	PROPOSED SURFACE HOLE / BOTTOM HOLE	SURVEYED BOUNDARY	REVISIONS:	DATE: 08-16-2018
	EXISTING / PRODUCING WELLHEAD	DRILLING UNIT	REVISED DESIGNATED AGENT	
	LPL* LANDING POINT LOCATION	LEASE BOUNDARY		DRAWN BY: D. REED
	EXISTING WATER WELL	PROPOSED PATH		SCALE: 1" = 3000'
	EXISTING SPRING			DRAWING NO: 2016-519
				WELL LOCATION PLAT

(2,000' SCALE) LONGITUDE: -80°37'30" SURFACE HOLE
(2,000' SCALE) LONGITUDE: -80°40'00" BOTTOM HOLE

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SWN PRODUCTION COMPANY, LLC (S) ISAAC L. CARNEY & MARY CARNEY, HIS WIFE & ET AL (R)	12-10-29
TRACT	SURFACE OWNER	TAX PARCEL
2	JACOB BICKERSTAFF & ANNA BICKERSTAFF, HUSBAND AND WIFE	12-10-29.2
3	NORMA F. YOCUM	1-7-40
4	CORY DURIG & DAVID DURIG	1-7-2
5	DARREN YOHO; KEVIN YOHO; JEFFREY YOHO; DEBORAH YOHO	12-10-18
6	DARREN YOHO; KEVIN YOHO; JEFFREY YOHO; DEBORAH YOHO	12-10-17
7	DARREN YOHO; KEVIN YOHO; JEFFREY YOHO; DEBORAH YOHO	12-10-16
8	JEFFREY J. YOHO	12-10-16.1
9	SWN PRODUCTION COMPANY, LLC	12-10-15
10	SWN PRODUCTION COMPANY, LLC	12-10-11
11	SWN PRODUCTION COMPANY, LLC	12-10-10
12	MILLTREE PROPERTIES, LLC	12-10-9
13	MILLTREE PROPERTIES, LLC	12-10-3
14	RICHARD W. MASTNEY & MARK MASSARI	12-5-20
15	MILLTREE PROPERTIES, LLC	12-5-21
16	JAMES L. RITCHEA & HAZEL JORETTA RITCHEA	12-4-39
17	CLAUDIA MECKEL-JONAS & ET AL	12-4-27
18	CLAUDIA MECKEL-JONAS & ET AL	12-4-28
19	JOHN STULGA	12-4-19
20	SUCCESSOR IN INTEREST TO THE BOARD OF EDUCATION OF PROCTOR DISTRICT, WETZEL COUNTY	12-4-18
21	CHRISTOPHER P. BITHELL	12-4-26
22	CHRISTOPHER P. BITHELL	12-4-17
23	NANCY RABER & ET AL	12-4-6

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	RODNEY CALVERT	12-10-29.3
B	RODNEY CALVERT	12-10-29.4
C	RODNEY CALVERT & ET AL	12-10-29.1
D	HAESSLY LAND & TIMBER, LLC, AN OHIO LIMITED LIABILITY COMPANY	12-10-33
E	SWN PRODUCTION COMPANY, LLC	12-10-28
F	SWN PRODUCTION COMPANY, LLC	12-10-14
G	COURTNEY E. RICHMOND & RHEA K. RICHMOND, HIS WIFE	12-10-21
H	COURTNEY E. RICHMOND & RHEA K. RICHMOND, HIS WIFE	12-10-13
I	ANDREW D. SHULUGA & ANDREA M. SHULUGA, CO-TRUSTEES OF THE ANDREW D. SHULUGA & ANDREA M. SHULUGA REVOCABLE TRUST UNDER DATE OF JANUARY 8/2103	12-10-1
J	MILLTREE PROPERTIES, LLC	12-10-1.1
K	MILLTREE PROPERTIES, LLC	12-10-2
L	RICHARD W. MASTNEY & MARK MASSARI	12-5-29
M	MARK MASSARI	12-4-38
N	CHRISTOPHER P. BITHELL	12-4-37
O	WILLIAM WAGNER & BARBARA WAGNER, LIFE TENANTS AND UNTO THE SURVIVOR OF THEM, AND ROBERTA BROOKS AND HEATHER BRINK (REMAINDERMEN)	12-4-36
P	CHRISTOPHER P. BITHELL	12-4-35
Q	JOHN H. MORGAN & SUE M. MORGAN, TRUSTEES, U/T/A, DATED JUNE 10, 1992 F/B/O THE MORGAN FAMILY	12-4-34
R	SHIBEN ESTATES	12-4-25
S	NANCY RABER & ET AL	12-4-16
T	KEVIN L. BLATT, TRUSTEE & ET AL	12-4-5
U	ZACHARY M. BLAIR	9-21-20
V	ZACHARY M. BLAIR	9-21-19
W	N/A	9-21-15
X	ZACHARY M. BLAIR	9-21-13
Y	MASON DIXON FARMS	9-21-12
Z	NANCY RABER & ET AL	12-4-7
AA	UNKNOWN HEIRS OF SARAH V. RICHMOND	12-4-8
AB	NANCY RABER & ET AL	12-4-10
AC	CRAIG NORDBERG & CAROL NORDBERG, HUSBAND AND WIFE	12-4-11
AD	MASON DIXON FARMS	12-5-7
AE	MASON DIXON FARMS	12-5-12
AF	HENRY J. SUNDA, HERBERT SVERT & ET AL	12-4-29
AG	MILLTREE PROPERTIES, LLC	12-5-14
AH	AUGUSTUS R. MCMAHON, III, AND MICHELLE MCMAHON, TRUSTEES, OR THEIR SUCCESSORS IN TRUST UNDER THE AUGUSTUS R. MCMAHON, III, LIVING TRUST, DATED JUNE 9, 2000	12-5-15
AI	DANIEL F. DURIG & RHONDA K. DURIG, HUSBAND & WIFE	12-5-22
AJ	MILLTREE PROPERTIES, LLC	12-5-25
AK	MILLTREE PROPERTIES, LLC	12-5-26
AL	SWN PRODUCTION COMPANY, LLC & ET AL	12-10-5
AM	SWN PRODUCTION COMPANY, LLC	12-10-6
AN	FREDA TAYLOR, CALVIN TAYLOR, CHARLOTTE MARS, NILA ISABELLA, OPHIA GUNTER, AND LEWIS SHERWOOD TAYLOR	12-10-4
AO	BRADLEY SCOTT YOHO	12-10-12
AP	BRADLEY SCOTT YOHO	12-10-19
AQ	RYAN ALLEN YOHO	12-10-19.2
AR	LYLE YOHO & ET AL	1-4-37
AS	CORY DURIG & DAVID DURIG	1-7-1
AT	SUSAN ANNETT SMITH	1-7-3
AU	SUSAN ANNETT SMITH	1-7-3.1
AV	JOHN J. YEAGER & ET AL	1-7-9.2
AW	ERIC L. YEATER & AMANDA J. YEATER, HUSBAND AND WIFE	12-10-34
AX	GARY G. YOCUM & LAVERNE YOCUM (LIFE ESTATE), AND CHRIS B. YOCUM (REMAINDERMAN)	12-15-9
AY	RODNEY A. CALVERT	12-10-29.5

REVISIONS:

COMPANY:

SWN
Production Company, LLC

SWN ^{R₂} ^A ^{V⁺} ⁰
Production Company™

OPERATOR'S: SWN A UD
WELL #: WTZ 305H

DATE: 04-04-2018

DISTRICT: PROCTOR COUNTY: WETZEL STATE: WV

DRAWN BY: D. REED
SCALE: N/A
DRAWING NO: 2016-519
WELL LOCATION PLAT