

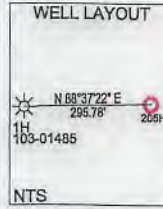


www.jhacmap.com  
68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100

(2,000' SCALE) LATITUDE: 39°45'00" BOTTOM HOLE | 5048'  
(2,000' SCALE) LATITUDE: 39°42'30" SURFACE HOLE | 4097'

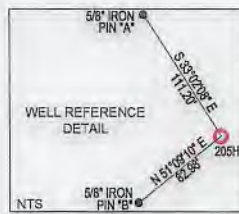
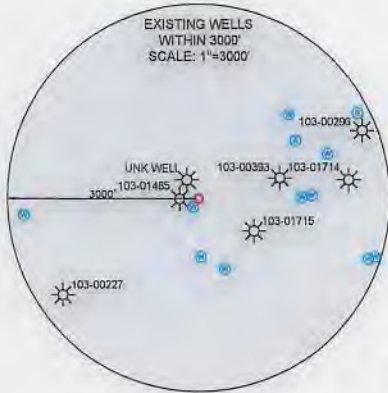
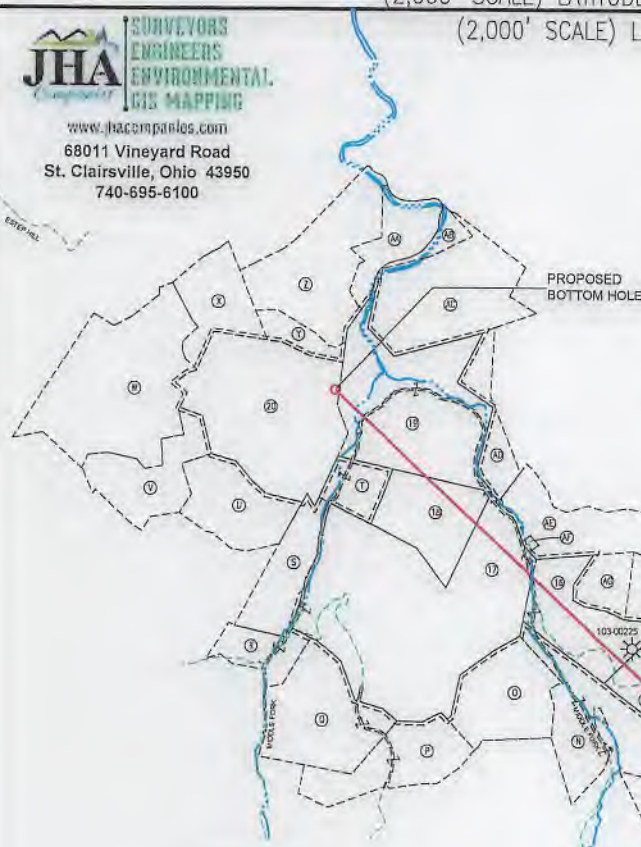
**NOTES ON SURVEY**

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	N 71°27'23" E	1343.86'
L2	N 48°12'40" E	672.31'

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



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4392596.27 EASTING: 530906.19
<b>LANDING POINT (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4392826.91 EASTING: 531107.77
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4396495.47 EASTING: 527033.26





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

<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>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>COMPANY: SWN Production Company, LLC</p> <p>OPERATOR'S WELL #: SWN A WTZ 205H</p> <p>API WELL #: 47 103 03251 #6A</p>
	<p>WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> STORAGE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/></p> <p>WATERSHED: UPPER OHIO SOUTH</p> <p>DISTRICT: PROCTOR COUNTY: WETZEL</p> <p>SURFACE OWNER: SWN PRODUCTION COMPANY, LLC</p> <p>OIL &amp; GAS ROYALTY OWNER: RODNEY CALVERT, ET AL</p> <p>DRILL <input checked="" type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/></p> <p>CONVERT <input type="checkbox"/> PLUG &amp; ABANDON <input type="checkbox"/> CLEAN OUT &amp; REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 7,382' TVD 25,888.1' TMD</p>	<p>DESIGNATED AGENT: BRITTANY WOODY</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p>
<p>WELL OPERATOR: SWN PRODUCTION COMPANY, LLC</p> <p>ADDRESS: P.O. BOX 1300</p> <p>CITY: JANE LEW STATE: WV ZIP CODE: 26378</p>		<p>REVISIONS:</p> <p>REVISED DESIGNATED AGENT</p> <p>DATE: 08-16-2018</p> <p>DRAWN BY: D. REED</p> <p>SCALE: 1" = 3000'</p> <p>DRAWING NO: 2016-519</p> <p>WELL LOCATION PLAT</p>

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	SWN PRODUCTION COMPANY, LLC (S) RODNEY CALVERT, ET AL (R)	12-10-29
TRACT	SURFACE OWNER	TAX PARCEL
2	RODNEY A. CALVERT	12-10-29.5
3	JACOB BICKERSTAFF & ANNA BICKERSTAFF, HUSBAND AND WIFE	12-10-29.2
4	NORMA F. YOHO	01-07-40
5	CORY DURIG & DAVID DURIG	01-07-2
6	DARREN YOHO; KEVIN YOHO; BRADLEY YOHO; JEFFERY YOHO; DEBORAH YOHO	12-10-18
7	DARREN YOHO; KEVIN YOHO; BRADLEY YOHO; JEFFERY YOHO; DEBORAH YOHO	12-10-16
8	SWN PRODUCTION COMPANY, LLC	12-10-15
9	SWN PRODUCTION COMPANY, LLC	12-10-11
10	SWN PRODUCTION COMPANY, LLC	12-10-10
11	MILLTREE PROPERTIES, LLC	12-10-9
12	MILLTREE PROPERTIES, LLC	12-10-3
13	RICHARD W. MASTNEY & MARK MASSARI	12-5-20
14	RICHARD W. MASTNEY & MARK MASSARI	12-5-29
15	JAMES L. RITCHEA & HAZEL JORETTA RITCHEA	12-4-39
16	CLAUDIA MECKEL-JONAS ETAL	12-4-27
17	CHRISTOPHER P. BITHELL	12-4-26
18	CHRISTOPHER P. BITHELL	12-4-17
19	NANCY RABER, ETAL	12-4-6
20	TAMI M. BLATT; MICHAEL J. BLATT; KEVIN L. BLATT, TRUSTEE	12-4-5

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	RODNEY A. CALVERT	12-10-29.3
B	RODNEY A. CALVERT	12-10-29.4
C	RODNEY CALVERT ETAL	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	ROBERT C. RITCHEA & JAMES L. RITCHEA	12-10-22
G	SWN PRODUCTION COMPANY, LLC	12-10-14
H	COURTNEY E. RICHMOND & RHEA K. RICHMOND, HIS WIFE	12-10-21
I	COURTNEY E. RICHMOND & RHEA K. RICHMOND, HIS WIFE	12-10-13
J	ANDREW D. & ANDREA M. SHULLUGA, CO-TRUSTEES OF THE ANDREW D. SHULLUGA AND ANDREA M. SHULLUGA REVOCABLE TRUST UNDER DATE OF JANUARY 8/2103	12-10-9.1
K	MILLTREE PROPERTIES, LLC	12-10-1.1
L	ANDREW D. & ANDREA M. SHULLUGA, CO-TRUSTEES OF THE ANDREW D. SHULLUGA AND ANDREA M. SHULLUGA REVOCABLE TRUST UNDER DATE OF JANUARY 8/2103	12-10-1
M	MILLTREE PROPERTIES, LLC	12-10-2
N	MARK MASSARI	12-4-38
O	CHRISTOPHER P. BITHELL	12-4-37
P	WILLIAM WAGNER AND BARBARA WAGNER, LIFE TENANTS AND TO THE SURVIVOR OF THEM, AND ROBERTA BROOKS AND HEATHER BRINK (REMAINDERMEN)	12-4-36
Q	CHRISTOPHER P. BITHELL	12-4-35
R	JOHN H. MORGAN & SUE M. MORGAN, TRUSTEES, U/T/A, DATED JUNE 10, 1992 F/B/O THE MORGAN FAMILY	12-4-34
S	SHIBEN ESTATES	12-4-25
T	NANCY RABER ETAL	12-4-16
U	ANTHONY C. BLATT & REBECCA F. BLATT	12-4-15
V	ANTHONY C. BLATT & REBECCA F. BLATT	12-4-14
W	TAMI M. BLATT; MICHAEL J. BLATT; KEVIN L. BLATT, TRUSTEE	12-4-4
X	KIMBERLY C. HOFFMAN	12-4-40
Y	ZACHARY M. BLAIR	09-21-20
Z	ZACHARY M. BLAIR	09-21-19
AA	XXXXX	09-21-15
AB	ZACHARY M. BLAIR	09-21-13
AC	MASON DIXON FARMS	09-21-12
AD	NANCY RABER ETAL	12-4-7
AE	JOHN STULGA	12-4-19
AF	SCHOOL	12-4-18
AG	CLAUDIA MECKEL-JONAS ETAL	12-4-28
AH	HENRY J. SUNDA; HERBERT SVERT, ETAL	12-4-29
AI	MILLTREE PROPERTIES, LLC	12-5-21
AJ	MILLTREE PROPERTIES, LLC	12-5-25
AK	MILLTREE PROPERTIES, LLC	12-5-26
AL	SWN PRODUCTION COMPANY, LLC, ETAL	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	DEBORAH D. SHOWALTER ETAL	12-10-17
AQ	BRADLEY SCOTT YOHO	12-10-19
AR	RYAN ALLEN YOHO	12-10-19.2
AS	LYLE YOHO ETAL	01-4-37
AT	CORY DURIG & DAVID DURIG	01-7-1
AU	SUSAN ANNETT SMITH	01-7-3
AV	SUSAN ANNETT SMITH	01-7-3.1
AW	JOHN J. YEAGER, ETAL	01-7-9.2
AX	ERIC L. YEATER & AMANDA J. YEATER, HUSBAND AND WIFE	12-10-34
AY	HAESSLY LAND AND TIMBER, LLC, AN OHIO LIMITED LIABILITY COMPANY	12-15-11
AZ	GARY G. YOCUME AND LAVERNE YOCUM (LIFE ESTATE), AND CHRIS B. YOCUM (REMAINDERMAN)	12-15-9
BA	JEFFREY J. YOHO	12-10-16.1

REVISIONS:	COMPANY:	 	
	OPERATOR'S	SWN A	DATE: 03-22-2018
	WELL #:	WTZ 205H	DRAWN BY: D. REED
	DISTRICT:	COUNTY:	SCALE: N/A
	PROCTOR	WETZEL	DRAWING NO: 2016-519
		STATE:	WELL LOCATION PLAT
		WV	