

Latitude: 40°12'30"

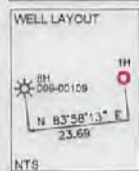
SURFACE HOLE 7327'

Latitude: 40°15'00" BOTTOM HOLE 644'

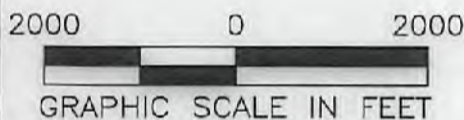
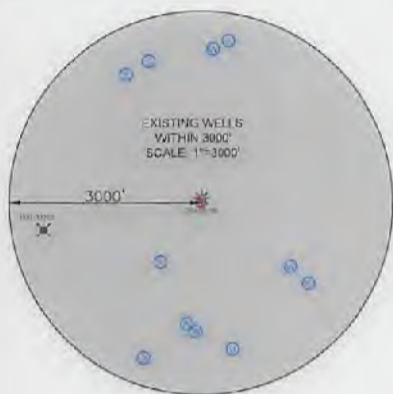


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68011 Vineyard Road  
St. Clairsville, Ohio 43950  
740-695-6100



LINE	BEARING	DISTANCE
L1	S 08°28'23" W	1810.30'
L2	S 13°34'41" E	1983.07'



<b>SURFACE HOLE LOCATION (SHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4448995.64 EASTING: 533260.89
<b>LANDING POINT LOCATION (LPL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4449074.54 EASTING: 532978.04
<b>BOTTOM HOLE LOCATION (BHL):</b> UTM (NAD83, ZONE 17, METERS): NORTHING: 4452034.50 EASTING: 531767.00

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. 891



COMPANY: **SWN** Production Company, LLC

	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	OPERATOR'S WELL #: MIKE RYNIAWEC BRK 1H
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY SOURCE OF ELEVATION: GRADE GPS (NAVD 88, US FT)	API WELL #: 47 009 00242H6A STATE COUNTY PERMIT

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"/>	WATERSHED: UPPER OHIO SOUTH	ELEVATION: 1147.2'
DISTRICT: BUFFALO	COUNTY: BROOKE	QUADRANGLE: BETHANY, WV & TILTONSVILLE, OH-WV
SURFACE OWNER: MIKE RYNIAWEC	ACREAGE: ±102.0	
OIL & GAS ROYALTY OWNER: MIKE RYNIAWEC	ACREAGE: ±102.0	
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"/>	CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)	
TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 5,934'	

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	DESIGNATED AGENT: DEE SOUTHALL
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

<b>LEGEND:</b>	— SURVEYED BOUNDARY	REVISIONS:	DATE: 11-02-2017
● PROPOSED SURFACE HOLE / BOTTOM HOLE	— DRILLING UNIT		DRAWN BY: C.WEHR
⊙ EXISTING / PRODUCING WELLHEAD	— LEASE BOUNDARY		SCALE: 1" = 2000'
LPL LANDING POINT LOCATION	— PROPOSED PATH		DRAWING NO: 2017-220
⊙ EXISTING WATER WELL			WELL LOCATION PLAT
⊙ EXISTING SPRING			


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.

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	RYNIAWEC MIKE (S)/(R)	03-B42-0033.0000	102.00
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	LUTHER GRIZZEL	03-B42-0029.0000	79.13
3	HEINZROTH HENRY	03-B42-0032.0000	140.52
4	ROCCO A. BASIL, JR.	03-B42-0019.0000	104.556
5	BRUCE & DARLENE HENTHORN	03-B42-0019.0001	0.08
6	BRUCE & DARLENE HENTHORN	03-B42-0014.0000	2.65
7	DEAN S. MILLER AND WIFE, SANDRA D. MILLER	03-B42-0024.0000	0.77
8	JOHN KLOVANISH JR. & LEE ANN KLOVANISH	03-B42-0025.0000	0.48
9	DANIEL R. DORBY	03-B42-0026.0000	1.97
10	DANIEL R. COREY	03-B42-0003.0000	5.00
11	LINDA REEVES GREATHOUSE AND VICKI LYNN HAMILTON	03-B37-0087.0000	317.23
12	ROD EDWARD PATTISON JR.	03-B42-0002.0000	5.08
13	DALE V. HOPKINS	03-B36-0124.0000	34.11
14	DALE V. HOPKINS & DANA M. HOPKINS (SURV)	03-B37-0119.0000	23.62
15	LORI MATHEWS	03-B37-0119.0002	2.434
16	MARK A. GRIZZEL (LE-EUGENE (& MARGARET GRIZZEL)	03-B37-0113.0000	1.25
17	HERBERT G. WEAVER JR & ANITA H. WEAVER (SURV)	03-B36-0125.0000	29.47
18	DANIEL A. NICHOLSON	03-B37-0117.0000	1.14
19	JOHN JOSEPH HUFF & CHRISTINE C. HUFF	03-B37-0118.0000	1.08
20	GEORGE M. LEWIS & JUDY A. LEWIS (SURV)	03-B37-0041.0001	5.56
21	VICKIE C. LOUGHERY & SHEENA R. LOUGHERY (SURV)	03-B37-0041.0000	41.00

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	BUREK JOSEPH S & JANE M (SURV)	03-B47-0019.0000	117.68
B	FLUHARTY ELIZABETH ELLEN	03-B47-0018.0000	52.00
C	MAYHEW KATHY LYNN & MICHAEL ETAL (SURV)	03-B42-0027.0000	84.74
D	GRIZZEL LUTHER	03-B42-0031.0000	18.87
E	GRIZZEL LUTHER	03-B42-0030.0000	10.48
F	COLLINS JAY GLEN	03-B41-0080.0000	291.85
G	AINSCOUGH FRANK C & KELLY L (SURV)	03-B42-0071.0000	12.54
H	KENNY RICHARD HAROLD & JOY LYNN (SURV)	03-B42-0020.0000	4.51
I	CONLEY RICKEY D SR & DEBRA	03-B42-0013.0000	1.75
J	NORTHERN HANCOCK BANK & TRUST COMPANY	03-B42-0023.0000	1.10
K	MILLER DUANE D & BETTY J	03-B42-0005.0000	0.73
L	PATTISON ROD EDWARD JR	03-B42-0004.0000	13.25
M	SNODERLY ROGER L & KAREN A (SURVIVORSHIP)	03-B41-0106.0000	14.58
N	LOY CHRISTOPHER S & INGRID E (SURV)	03-B36-0119.0000	13.60
O	FORKER VIRGINIA MAY HUNT	03-B36-0121.0000	2.00
P	ROCKHOLD HOWARD M & DEBROAH S (SURV)	03-B36-0122.0000	1.16
Q	JEFFREY ALAN FERRY ETAL	03-B36-0117.0000	4.04
R	JOSEPH P. LIZON JR	03-B36-0123.0000	0.53
S	CHAPEL HILL CHURCH	03-B36-0131.0000	1.10
T	DONNELLY LORIE T & HOIT MICHAEL A (SURV)	03-B36-0130.0000	5.75
U	QSO DAVID LEE, ELIZABETH JANE	03-B36-0129.0000	3.00
V	COLIN P. KELLY II, NANCY E. TAYLOR (SURV)	03-B36-0127.0000	1.01
W	TIMOTHY J. HUFF	03-B36-0126.0000	0.75
X	MILLER ZACHARY (CO-TRUSTEES- THOMAS & TONYA MILLER)	03-B36-0128.0000	2.00
Y	TESLOVICH BRIAN L.	03-B36-0145.0000	50.91
Z	CATULLO JOHN A.	03-B36-0157.0000	39.50
AA	GIUMMO TARQUINO,EMMA M; ANTONIO (SURV)	03-B36-0156.0000	24.53
AB	BECKETT CLYDE E & KATHRYN J (SURV)	03-B37-0035.0000	6.73
AC	WALNOHA RALPH JR & CAROL J	03-B37-0034.0000	6.78
AD	LOUGHERY VICKIE C & SHEENA R (SURV)	03-B37-0103.0000	38.92
AE	SMITH HEIRS	03-B37-0105.0000	3.80
AF	HUFF ROY & VIRGINIA C (SURV)	03-B37-0106.0000	2.00
AG	LEWIS GEORGE M & JUDY	03-B37-0107.0000	2.00
AH	HUNT BURT E & LOIS M	03-B37-0108.0000	2.00
AI	HUNT BURT E & LOIS M	03-B37-0109.0000	1.08
AJ	ROBERT LAFRANCE	03-B37-0115.0000	1.07
AK	ROBERT LAFRANCE	03-B37-0114.0000	1.00
AL	BANK OF AMERICA	03-B37-0111.0000	1.00
AM	GRIZZEL MARK A(LE-EUGENE & MARGARET GRIZZEL)	03-B37-0112.0000	0.52
AN	EMBREY WILLIAM D JR & MARCIA J (SURV)	03-B37-0118.0001	1.00
AO	MCGREW DORIS FERN	03-B37-0129.0000	22.52
AP	SMITH VICTOR CHARLES	03-B37-0120.0000	3.00
AQ	MILLER CURTIS JOHN	03-B37-0119.0001	1.95
AR	WINDSOR POWER HOUSE COAL CO	03-B37-0128.0000	1.986
AS	ARACICH DIANNA	03-B37-0126.0000	0.81
AT	ARACICH DIANNA	03-B37-0127.0000	1.00
AU	MATHESS MICHAEL OWEN	03-B37-0125.0000	1.14
AV	HALL SAMUEL W	03-B42-0001.0000	18.12
AW	SMITH VICTOR CHARLES	03-B37-0130.0000	27.35
AX	CONLEY EDWARD E & NANCY J	03-B42-0015.0000	3.10
AY	CONLEY EDWARD E & NANCY J	03-B42-0016.0000	0.74
AZ	CONLEY EDWARD E & NANCY J	03-B42-0017.0000	0.04
BA	CONLEY RICKEY & DEBRA (SURV)	03-B42-0018.0000	2.14
BB	MILLER CHRISTOPHER SCOTT	03-B37-0094.0000	24.20
BC	CHUMNEY KEVIN	03-B37-0093.0000	5.91
BD	CYPHERT DEBRA, MATTHEW ETAL	03-B37-0091.0000	93.93
BE	BONE ROBERT	03-B37-0090.0000	2.04
BF	BONE ROBERT	03-B37-0090.0001	0.12
BG	BONE ROBERT	03-B37-0089.0000	0.78
BH	CYPHERT DEBRA, MATTHEW ETAL	03-B37-0088.0000	59.95
BI	CLARK CARL R. & SANDRA S. (SURV.)	03-B37-0086.0000	0.83
BJ	HANEY BRIAN K. & GINA M. (SURV.)	03-B37-0077.0000	45.75
BK	LPS INVESTMENT PARTNERSHIP	03-B37-0066.0000	65.00
BL	SANFORD ELLEN B.	03-B37-0076.0000	66.00
BM	ERDMAN EDGAR S. & CECELIA M. (SURV.)	03-B42-0049.0000	0.83
BN	HAZLETT JAMES & JO ELLEN (SURV.)	03-B42-0050.0002	65.47
BO	MARKER PHYLLIS P	03-B42-0052.0000	91.51
BP	BONAR JAMES L. ETAL	03-B42-0054.0000	4.63
BO	WINDSOR POWER HOUSE COAL CO	03-B42-0055.0000	21.00
BR	SMITH RALPH O & GINA L (SURV)	03-B42-0064.0000	12.60
BS	MIKE RYNIWEC	03-B42-0034.0000	61.17

02/16/2018

REVISIONS:	COMPANY:		
			
	47-009-00242H6A		
	OPERATOR'S	MIKE RYNIWEC	DATE: 11-02-2017
	WELL #:	BRK 1H	DRAWN BY: C.WEHR
	DISTRICT:	COUNTY:	SCALE: N/A
	BUFFALO	BROOKE	DRAWING NO: 2017-220
		STATE:	WELL LOCATION PLAT
		WV	