

LATITUDE: 40°15'00" SURFACE HOLE (2000' SCALE)

5374'

LATITUDE: 40°12'30" BOTTOM HOLE (2000' SCALE)

8448'

JHA ENGINEERS SURVEYORS ENVIRONMENTAL GIS MAPPING
 www.jhacompanies.com
 68011 Vineyard Road
 St. Clairsville, Ohio 43950
 740-695-6100

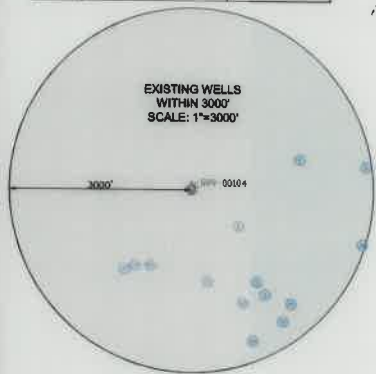
NOTES ON SURVEY

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.

3000 0 3000

GRAPHIC SCALE IN FEET

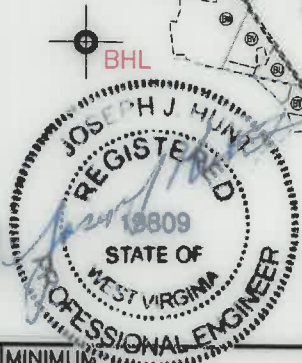
LINE	BEARING	DISTANCE
L1	N 56°25'13" E	854.64'
L2	S 77°24'20" E	2,095.57'



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452141.91 EASTING: 533831.43
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452270.75 EASTING: 534351.64
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4446342.36 EASTING: 536472.55
SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452141.89 EASTING: 533831.48
LANDING POINT LOCATION (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452261.19 EASTING: 534352.97
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4446342.44 EASTING: 536473.62

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.E. 19809



COMPANY: **SWN** Production Company, I.L.C. **SWN** Production Company™

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	COMPANY: ROBERT BONE BRK OPERATOR'S WELL #: 10H API WELL #: 47 009 00287 STATE COUNTY PERMIT
	WELL TYPE: OIL WASTE DISPOSAL PRODUCTION <input checked="" type="checkbox"/> DEEP GAS <input checked="" type="checkbox"/> LIQUID INJECTION STORAGE SHALLOW <input checked="" type="checkbox"/>	WATERSHED: UPPER OHIO SOUTH DISTRICT: BUFFALO COUNTY: BROOKE SURFACE OWNER: ROBERT BONE OIL & GAS ROYALTY OWNER: ROBERT BONE ELEVATION: 1,147.6' QUADRANGLE: BETHANY, WV ACREAGE: ±81.99 ACREAGE: ±81.99

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
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LEGEND: ○ EXISTING BOTTOM HOLE ☆ EXISTING / PRODUCING WELL HEAD LPL* EXISTING LANDING POINT LOCATION ○ PROPOSED SURFACE HOLE / BOTTOM HOLE LPL* PROPOSED LANDING POINT LOCATION ○ EXISTING WATER WELL ○ EXISTING SPRING --- SURVEYED BOUNDARY === LEASE BOUNDARY --- AS-DRILLED PATH --- PROPOSED PATH	REVISIONS: DATE: 02-16-2022 API NO: 47-069-00287 DRAWN BY: R.GRIMES SCALE: 1" = 3000' DRAWING NO: 2017-219 WELL LOCATION PLAT
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LONGITUDE: 80°32'30" BOTTOM HOLE (2000' SCALE)
 15220'
 11298'
 LONGITUDE: 80°35'00" SURFACE HOLE (2000' SCALE)

03/25/2022

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	ROBERT BONE (S)/(R)	03-B37-81.0
TRACT	SURFACE OWNER	TAX PARCEL
2	WILLIAM E. & HAZEL E. JOHNSTON (SURVIVOR)	03-B37-50.0
3	WILLIAM E. JOHNSTON & HAZEL E. BERTY JOHNSTON (SURVIVOR)	03-B37-74.1
4	BENJAMIN M. MOSA & CHRISTINE L. HEISE (JTWS)	03-B37-74.0
5	THEODORE W. BUNNELL	03-B37-68.0
6	LPS INVESTMENT PARTNERSHIP	03-B37-66.0
7	ELLEN B. SANFORD	03-B37-76.0
8	LABELLE FARMS, INC	03-B42-60.0
9	ELLEN B. SANFORD	03-B38-56.0
10	THURMAN O. SPEECE, JR.	03-B42-47.0
11	THURMAN O. SPEECE, JR.	03-B42-45.0
12	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-44.0
13	WILLIAM BRITT COX	03-B43-21.0
14	CHARLES W. & CHARLOTTE BONAR (SURVIVOR)	03-B48-01.0
15	BAILEY STEWART	03-B48-44.0
16	MELANIE STEWART	03-B48-02.3
17	JEFFREY P. STEWART	03-B48-02.2
18	MELANIE DIANE STEWART	03-B48-03.0
19	THOMAS STEWART	03-B48-02.1
20	CAROLE JAYNE COX	03-B48-08.1
21	WILLIAM BRITT COX	03-B48-08.0
22	JOHN W. HUPP, JOSEPH T. HUPP, & LINDA H. DOUBLE	03-B48-16.0
23	SCOTT SONDA & MARK SONDA	03-L2-02.0
24	LARRY G. BALL	03-L1-38.0

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	BENJAMIN M. MOSA & CHRISTINE L. HEISE (JTWS)	03-B37-79.0
B	TERRENCE & SUSAN BONE	03-B37-80.0
C	BRIAN K. & GINA M. HANEY	03-B37-77.0
D	VEMURI HOME & GARDENS, LLC	03-B37-82.0
E	DEBRA CYPHERT, MATTHEW H. FAIR, SUSAN S. FAIR, RICHARD HENTHORN	03-B37-88.0
F	DEBRA CYPHERT, MATTHEW H. FAIR, SUSAN S. FAIR, RICHARD HENTHORN	03-B37-91.0
G	SCHIAPPA AND COMPANY, INC.	03-B37-23.0
H	SCHIAPPA AND COMPANY, INC.	03-B37-22.0
I	MARK A. CHRISTMAN	03-B37-45.0
J	HAMMOND PUBLIC SERVICE DISTRICT	03-B37-45.1
K	DWARKA NATH VEMURI, DBA AMERICAN HEART ASSOCIATES	03-B37-47.0
L	RICHARD RODGERS, CHERI SHARP, EDWARD O'DYER, ETAL	03-B37-48.0
M	WILLIAM E. & HAZEL E. JOHNSTON	03-B37-53.1
N	BUFFALO CREEK CAMP	03-B37-51.0
O	MARLIN G. SR. & JOY CRAWFORD	03-B37-55.0
P	JOHN E. & SHERRILL J. RIPLEY (L/E WILDA RIPLEY)	03-B37-62.0
Q	JOSEPH K. & GLORIA BOWMAN (SURVIVOR)	03-B37-70.0
R	JOSEPH K. SR. & GLORIA J. BOWMAN (SURVIVOR)	03-B37-69.1
S	CAROL SILVER, CAYMAN MCDONALD, JENNIFER FERGUSON, ETAL	03-B37-71.0
T	CAROLE SILVER, CAYMAN MCDONALD, WILLIAM JOHNSTON, ETAL	03-B37-72.0
U	WILLIAM E. & HAZEL E. JOHNSTON (SURVIVOR)	03-B37-73.0
V	PELUCHEFFE FAMILY TRUST	03-B37-63.0
W	HAROLD L. JR. & LINDA K MARSHALL (JTWS)	03-B37-67.0
X	JOHN B. DAUGHERTY	03-B37-65.0
Y	SHAWN C. ARACICH	03-B37-64.0
Z	LESLIE & GAYLENE ELSON	03-B38-55.0
AA	LESLIE & GAYLENE ELSON	03-B38-48.0
AB	HARRY J. LOWE	03-B38-47.0
AC	PENNY MARIE STUMPF	03-B38-57.0
AD	WILLIAM F. & MARY FONNER	03-B38-44.0
AE	MATHEW T. NICHOLSON	03-B38-43.0
AF	MARK T. & KIMBERLY J. NICHOLSON	03-B38-42.1
AG	ROY NICHOLSON	03-B38-42.0
AH	ROY T. NICHOLSON	03-B38-41.0
AI	AMY LYNNE VAN HORN	03-B38-40.0
AJ	MICHAEL D. & SARAH L. LOUGH (JTWS)	03-B38-39.0
AK	TERRY P & KAREN THOMPSON	03-B38-38.0
AL	BETHANY COLLEGE	03-B38-31.0
AM	BETTIE BECK LEONETTI	03-B43-05.0
AN	WINDSOR POWER HOUSE COAL COMPANY	03-B43-15.0
AO	MARY WELLS CHAMBERS	03-B43-14.0
AP	WINDSOR POWER HOUSE COAL COMPANY	03-B43-16.0
AQ	WINDSOR POWER HOUSE COAL COMPANY	03-B42-48.0
AR	JOYCE ANN MCGEEHAN	03-B43-17.0
AS	MARION PYLE STONE	03-B43-19.0
AT	MARION PYLE STONE	03-B43-20.0
AU	BRIAN DAVID CORWIN	03-B43-22.0
AV	CHARLES W. & CHARLOTTE BONAR (SURVIVOR)	03-B48-01.0
AW	EDNA JEAN CROSS (T.O.D. KEITH WESLEY CROSS)	03-B48-13.0
AX	JAMES D. & LISA J CARPENTER	03-B48-12.0
AY	THOMAS MAURICE STEWART	03-B48-11.0
AZ	CHARLES W. & CHARLOTTE BONAR (SURVIVOR)	03-B48-14.0
BA	DAVID F. & SHARON A. DUKE (SURVIVOR) (TUD)	03-B48-10.0
BB	JUDITH ANNE PYLE	03-B48-18.0
BC	MARC P. STONE	03-B48-17.0

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BD	MARION P. STONE	03-B48-19.0
BE	SCOTT & MARK SONDA	03-L2-01.0
BF	WINDSOR COAL COMPANY C/O CNX LAND	03-L2-09.0
BG	MATTHEW JAMES OHARA (L/E MICHAEL & DIERDRA OHARA)	03-L2-10.2
BH	MICHAEL BREITINGER	03-L2-11.0
BI	CHAD & JULIE C. COX	03-L2-12.0
BJ	CHARLES EDWARD & SHARON BOONE	03-L2-08.4
BK	CHARLES EDWARD & SHARON BOONE	03-L2-08.0
BL	WINDSOR COAL COMPANY C/O CNX LAND	03-L2-08.3
BM	ALISHA D. & SCOTT B. MEDLEN	03-L2-07.2
BN	JOAN C. MILLER (L/E JOHN L. MILLER)	03-L2-07.1
BO	BAIRD C. KLOSS	03-L2-04.0
BP	LARRY G. BALL	03-L1-38.5
BQ	MICHAEL L. GRIMES	03-L2-03.0
BR	MICHAEL L. GRIMES	03-L2-14.0
BS	JOSEPH P. & SHIRLEY J. TAGCERT	03-L1-41.0
BT	JEREMY D. GRIFFITH	09-WLB-04.1
BU	KRISTOPHER & ASHLEY KOSEM	03-L1-39.10
BV	PAUL EVERETT & KELLY ANN BECK	03-L1-39.15
BW	KIMBERLEY ANN CUSTER & DONNA MARIE BAUKNECHT	03-L1-36.0
BX	DEBORAH L. GALVAN 2015 TRUST	9-WL4-06.0
BY	THOMAS F. MILLER, ETAL	09-WL4-05.0
BZ	TINGUM PROPERTIES, LLC	3-L1-14.1
CA	SARAH ESTHER BOND	03-L1-14.0
CB	LARRY G. BALL	03-L1-38.3
CC	BROOKVIEW HOME ESTATES, LLC	03-L1-15.0
CD	MICHAEL R. BAKER & BEVERLY F. LOEW	03-L1-38.2
CE	KEVIN & CYNTHIA R. MCGEE	03-L2-15.1
CF	LARRY G. BALL	03-L1-38.4
CG	LARRY G. BALL	03-L2-15.0
CH	ARLIE R. MCCARDLE, JR.	03-B47-46.0
CI	RICK A. & LURA JOSEPH (SURVIVOR)	03-B47-45.0
CJ	LUCILLE CAROLYN SAFREED	03-B48-43.0
CK	GNAC ENTERPRISES, L/P	03-B48-07.2
CL	WINDSOR POWER HOUSE COAL COMPANY	03-B48-07.0
CM	WILLIAM BRITT COX	03-B48-07.1
CN	GALVAN REVOCABLE TRUST, DEBORAH GALVIN TRUSTEE	03-B48-06.0
CO	WILLIAM B. COX	03-B48-09.0
CP	ELIZABETH MARIE STEWART	03-B48-05.3
CQ	JEFFREY THOMAS STEWART	03-B48-05.2
CR	THOMAS STEWART	03-B48-04.0
CS	THOMAS STEWART	03-B48-05.0
CT	MELANIE & ELIZABETH MARIE STEWART	03-B48-05.1
CU	THOMAS STEWART	03-B48-02.0
CV	TYLER STEWART	03-B48-45.0
CW	DYLAN STEWART	03-B47-53.0
CX	THURMAN O. SPEECE, JR.	03-B42-42.0
CY	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-B42-43.0
CZ	THURMAN O. SPEECE	03-B42-46.0
DA	THURMAN O. JR. & JASON SPEECE (SURVIVOR)	03-B42-46.1
DB	JEFFERY S. & DAWNA J. WARD	03-B42-59.4
DC	AUSTIN WAYNE WADE & JUSTINE ADAH (SURVIVOR)	03-B42-50.0
DD	AUSTIN WAYNE WADE & JUSTINE ADAH (SURVIVOR)	03-B42-60.1
DE	WINDSOR COAL COMPANY, LLC	01-BB41-03.0
DF	JOELLEN & JAMES HAZLETT	03-B42-60.2
DG	EDGAR S. & CECILIA M ERDMAN	03-B42-49.0
DH	LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON	03-B37-87.0
DI	WILLIAM A. SPERRINGER, III	03-B37-78.0
DJ	BENJAMIN M. MOSA & CHRISTINE L. HEISE (JTWS)	03-B37-75.0
DK	BRIAN K. & GINA M HANEY (SURVIVOR)	03-B37-77.1
DL	JAMES ALAN & LO ELLEN HAZLETT	03-B43-64.0

REVISIONS:	COMPANY: SWN Production Company, LLC		DATE: 02-16-2022	
	OPERATOR'S: ROBERT BONE BRK		API NO: 47-069-00287	
	WELL #: 10H		DRAWN BY: R.GRIMES	
	DISTRICT: BUFFALO	COUNTY: BROOKE	STATE: WV	SCALE: N/A
	DRAWING NO: 2017-219			
	WELL LOCATION PLAT			