

Latitude: 40°12'30"

BOTTOM HOLE 10628'

Latitude: 40°15'00" SURFACE HOLE

5320'



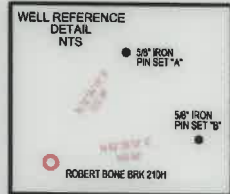
www.jhacompanies.com
68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-8100

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 56°33'03" E	868.30'
L2	S 77°38'11" E	2,106.46'

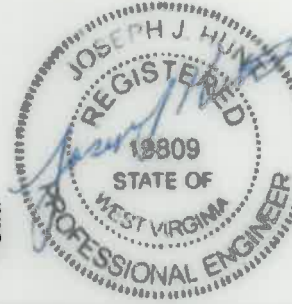
PROPOSED SURFACE HOLE
AS-DRILLED SURFACE HOLE



SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4452139.92
EASTING: 533827.63
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4452182.21
EASTING: 534626.43
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4449365.72
EASTING: 535774.88
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4452139.91
EASTING: 533827.70
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4452247.39
EASTING: 534600.69
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4449366.24
EASTING: 535776.64

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



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY:

SWN

SWN

Production Company, LLC

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)

OPERATOR'S WELL #: ROBERT BONE BRK 210H

API WELL #: 47 009 00289
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH
DISTRICT: BUFFALO COUNTY: BROOKE
SURFACE OWNER: ROBERT BONE
OIL & GAS ROYALTY OWNER: ROBERT BONE

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,971' TVD 17,085' TMD

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

03/25/2022

LEGEND:

EXISTING BOTTOM HOLE	EXISTING WATER WELL
EXISTING / PRODUCING WELLHEAD	EXISTING SPRING
EXISTING LANDING POINT LOCATION	SURVEYED BOUNDARY
PROPOSED SURFACE HOLE / BOTTOM HOLE	LEASE BOUNDARY
PROPOSED LANDING POINT LOCATION	AS-DRILLED PATH
	PROPOSED PATH

REVISIONS:	DATE:
	02-16-2022
	DRAWN BY: R.GRIMES
	SCALE: 1" = 2000'
	DRAWING NO: 2017-219
	WELL LOCATION PLAT

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	ROBERT O. BONE (S) ROBERT O. BONE (R)	03-0837-0081.0000	81.99
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON (SURV.)	03-0837-0050.0000	166.50
3	JOSEPH K. BOWMAN AND GLORIA JEAN BOWMAN, HUSBAND AND WIFE (SURV)	03-0837-0070.0000	3.30
4	JOSEPH K. BOWMAN AND GLORIA JEAN BOWMAN, HUSBAND AND WIFE (SURV)	03-0837-0069.0001	3.40
5	WILDA L. RIPLEY (LIFE ESTATE), JOHN E. RIPLEY AND SHERRILL J. RIPLEY (REMAINDERMEN)	03-0837-0062.0000	95.40
6	THEODORE W. BUNNELL	03-0837-0068.0000	13.10
7	LOTHIE KEITH, SINGLE	03-0837-0067.0000	1.50
8	LPS INVESTMENT PARTNERSHIP	03-0837-0066.0000	65.00
9	ELLEN B. SANFORD	03-0837-0076.0000	66.00
10	LABELLE FARMS INC.	03-0842-0060.0000	349.88
11	ELLEN B. SANFORD	03-0838-0056.0000	203.93
12	WINDSOR POWER HOUSE COAL CO.	03-0842-0048.0000	17.68
13	MARY WELLS CHAMBERS, WIDOW	03-0843-0014.0000	11.25
14	WINDSOR POWER HOUSE COAL CO.	03-0843-0016.0000	10.74
15	JOYCE ANN MCGEEHAN	03-0843-0017.0000	45.47

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	WILLIAM E. JOHNSTON AND HAZEL E. JOHNSTON, JTWROS, CAROLE SILVER AND WOODROW W. SILVER, JR. (LIFE ESTATE), PAULA KAY SILVER (LIFE ESTATE)	03-0837-0071.0000	2.36
B	WILLIAM E. JOHNSTON & HAZEL E. BERTY JOHNSTON (SURV.)	03-0837-0074.0001	4.10
C	BENJAMIN M. MOSA & CHRISTINE L. HEISE (SURV.)	03-0837-0074.0000	24.41
D	BENJAMIN M. MOSA & CHRISTINE L. HEISE (SURV.)	03-0837-0079.0000	2.17
E	TERRENCE BONE & SUSAN BONE	03-0837-0080.0000	2.58
F	BRIAN K. HANEY & GINA M. HANEY (SURV.)	03-0837-0077.0000	45.75
G	MEMURI HOME & GARDENS LLC.	03-0837-0082.0000	1.00
H	DEBRA CYPHERT; MATTHEW H. FAIR, SUSAN S. FAIR, RICHARD HENTHORN	03-0837-0088.0000	59.95
I	DEBRA CYPHERT; MATTHEW H. FAIR, SUSAN S. FAIR, RICHARD HENTHORN	03-0837-0091.0000	93.93
J	SCHIAPPA AND COMPANY INC.	03-0837-0023.0000	90.91
K	SCHIAPPA AND COMPANY INC.	03-0837-0022.0000	145.96
L	VIVIAN LUCILLE MAZZELLA	03-0837-0045.0000	110.58
M	MEMURI DWARKA NATH DBA AMERICAN HEART ASSOCIATES	03-0837-0047.0000	16.93
N	BONNIE LEE LUKACENA, SHELBY CARRELL, SHAYNE SCHUETZNER, SHANON SCHUETZNER, SHELBY SCHUETZNER, CHERI SHARPE, JOHN THOMAS RODGERS, PAIGE ELIZABETH ROLLINS	03-0837-0048.0000	81.50
O	WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON	03-0837-0053.0001	1.33
P	BUFFALO CREEK CAMP	03-0837-0051.0000	1.00
Q	MARLIN G. CRAWFORD SR. AND JOY CRAWFORD, HIS WIFE	03-0837-0055.0000	1.33
R	ERVIN COWAN, RICHARD COWAN, DIANE E. DIGHT, JODY TENNANT	03-0837-0056.0000	1.11
S	JEREMY S. PERSINGER	03-0837-0057.0000	1.07
T	TRAVIS POLEN	03-0837-0059.0000	1.84
U	JOHN E. RIPLEY & SHERRILL J. RIPLEY	03-0837-0061.0000	1.30
V	WILDA L. RIPLEY (LIFE ESTATE) JOHN E. RIPLEY & SHERRILL J. RIPLEY (REMAINDERMEN)	03-0837-0062.0000	95.40
W	MELVIN E. PELUCHETTE	03-0837-0063.0000	109.39
X	JOHN B. DAUGHERTY	03-0837-0065.0000	3.20
Y	ESTATE OF SHAWN C. ARACICH, DECEASED	03-0837-0064.0000	8.30
Z	LESLIE ELSON & GAYLENE ELSON	03-0838-0055.0000	0.47
AA	LESLIE ELSON & GAYLENE ELSON	03-0838-0048.0000	0.48
AB	PENNY MARIE STUMPF	03-0838-0057.0000	1.38
AC	MATTHEW T. NICHOLSON	03-0838-0043.0000	0.86
AD	MARK T. NICHOLSON & KIMBERLY J. NICHOLSON	03-0838-0042.0001	1.23
AE	ROY T. NICHOLSON	03-0838-0042.0000	5.08
AF	ROY T. NICHOLSON	03-0838-0041.0000	0.02
AG	AMY LYNNE RICE	03-0838-0040.0000	4.35
AH	GEORGE SCOTT RICE	03-0838-0039.0000	1.00
AI	TERRY P. THOMPSON & KAREN THOMPSON	03-0838-0038.0000	22.20
AJ	BETHANY COLLEGE	03-0838-0031.0000	822.26
AK	BETIE BECK LEONETTI (DECEASED)	03-0843-0005.0000	191.25
AL	WINDSOR POWER HOUSE COAL CO.	03-0843-0015.0000	5.74
AM	MARY WELLS CHAMBERS	03-0843-0013.0000	3.77
AN	JOYCE ANN MCGEEHAN	03-0843-0017.0000	45.47
AO	JOYCE ANN MCGEEHAN	03-0843-0017.0001	1.00
AP	THOMAS AND CHERYL FLAHERTY	03-0843-0024.0000	0.96
AQ	HILLARY SAYRE	03-0843-0023.0000	1.29
AR	BRIAN DAVID CORWIN	03-0843-0022.0000	146.20
AS	SILVEA MAZZELLA MAZZELLA	03-0843-0018.0000	1.00
AT	MARION PYLE STONE	03-0843-0019.0000	1.00
AU	MARION PYLE STONE	03-0843-0020.0000	1.96
AV	WILLIAM BRITT COX	03-0843-0021.0000	44.73
AW	THURMAN O. SPEECE JR., & GOLDIE M. STANLEY	03-0842-0044.0000	8.50
AX	THURMAN O. SPEECE JR., & GOLDIE M. STANLEY	03-0842-0045.0000	14.20
AY	THURMAN O. SPEECE JR., & GOLDIE M. STANLEY	03-0842-0047.0000	4.10
AZ	THURMAN O. SPEECE JR., & GOLDIE M. STANLEY	03-0842-0046.0000	89.13
BA	THURMAN O. SPEECE JR., & JASON SPEECE	03-0842-0046.0001	2.00
BB	JEFFREY S. WARD & DAWNA J. WARD	03-0842-0059.0004	98.11
BC	AUSTIN WAYNE WARD & JUSTINE ADAH WADE	03-0842-0050.0000	4.94
BD	AUSTIN WAYNE WARD & JUSTINE ADAH WADE	03-0842-0060.0001	0.67
BE	JAMES & JO ELLEN HAZLETT	03-0842-0060.0002	65.47
BF	WILLIAM A. HAZLETT & LYNNETTE G. HAZLETT, JTWRs	03-0842-0060.0003	1.74
BG	EDGAR S. ERDMAN & CECELIA M. ERDMAN	03-0842-0049.0000	0.83
BH	LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON	03-0837-0087.0000	322.84
BI	WILLIAM A. SPERRINGER, II & JENNA L. SPERRINGER (SURV.)	03-0837-0078.0000	2.36
BJ	WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON	03-0837-0069.0000	0.30
BK	WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON, JTWRs	03-0837-0073.0000	1.28
BL	WILLIAM E. JOHNSTON, AND HAZEL E. JOHNSTON, JTWRs, CAROLE SILVER AND WOODROW W. SILVER, JR. (LIFE ESTATE), PAULA KAY SILVER (LIFE ESTATE)	03-0837-0072.0000	1.40
BM	JAMES & JO ELLEN HAZLETT	03-0843-0064.0000	5.74

REVISIONS:

COMPANY:

SWN

Production Company, LLC

03/25/2022

OPERATOR'S

ROBERT BONE

DATE: 02-16-2022

WELL #:

BRK 210H

DRAWN BY: R.GRIMES

DISTRICT:

BUFFALO

COUNTY:

BROOKE

STATE:

WV

SCALE: N/A

DRAWING NO: 2017-219

WELL LOCATION PLAT