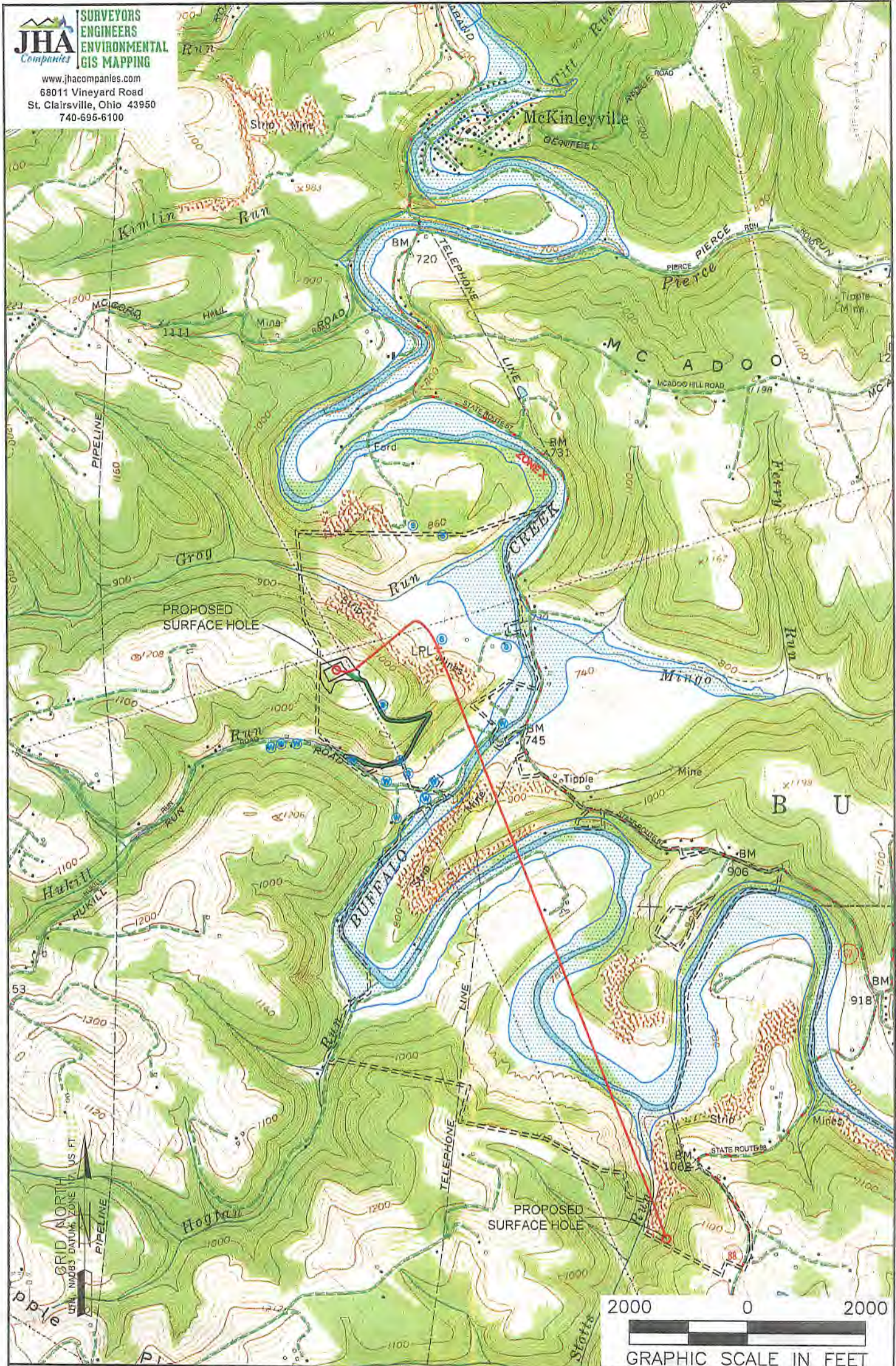


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68011 Vineyard Road
St. Clairsville, Ohio 43950
740-695-6100



NOTES ON SURVEY

1. 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.
2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
3. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- ☁ FLOOD PLAIN
- ACCESS ROAD
- - - PUBLIC ROAD
- - - - ACCESS ROAD TO PREV. SITE
- ===== LEASE BOUNDARY
- PROPOSED PATH

WELL OPERATOR:
SWN PRODUCTION COMPANY, LLC

ADDRESS:
1300 FORT PIERPONT DRIVE, SUITE 201, MORGANTOWN, WV 26508

SURFACE OWNER:
ROBERT BONE

WELL (FARM) NAME:
ROBERT BONE BRK

WELL # 10H
SERIAL # XXXX

COUNTY - CODE
BROOKE - 009

DISTRICT:
BUFFALO

USGS 7 1/2 QUADRANGLE MAP NAME
BETHANY, WV

R:\PROJECTS\SWN\2017-219 SWN - ROBERT BONE BRK PAD\CADD\PLAT\PROPOSED\10H\ROBERT BONE BRK 10H DRAFT 12-13-2017 DEP PLAT.DWG
MONDAY AUGUST 26 2019 03:31PM

Latitude: 40°12'30" BOTTOM HOLE

11267'

Latitude: 40°15'00" SURFACE HOLE

5333'



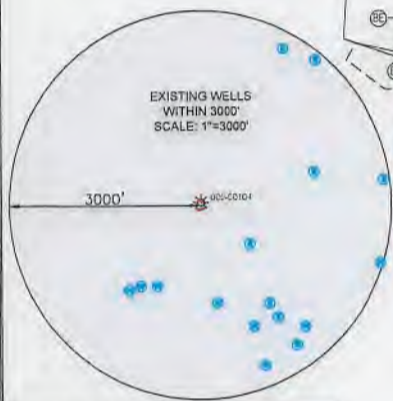
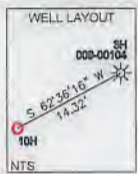
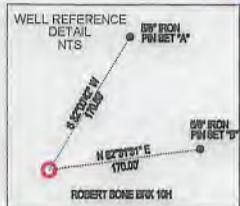
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740-695-6100

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.

LINE	BEARING	DISTANCE
L1	N 58°25'13" E	854.64'
L2	S 77°24'20" E	2,095.57'

PROPOSED SURFACE HOLE



SURFACE HOLE LOCATION (SHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452141.89 EASTING: 533831.48
LANDING POINT (LPL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4452261.19 EASTING: 534352.97
BOTTOM HOLE LOCATION (BHL): UTM (NAD83, ZONE 17, METERS): NORTHING: 4449301.04 EASTING: 535578.50

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



2000 0 2000

GRAPHIC SCALE IN FEET

COMPANY:



 WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS MINIMUM DEGREE OF ACCURACY: 1/200 PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: ROBERT BONE BRK 10H API WELL #: 47 STATE 009 COUNTY 00287 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 DISTRICT: BUFFALO COUNTY: BROOKE SURFACE OWNER: ROBERT BONE OIL & GAS ROYALTY OWNER: ROBERT BONE 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: 5,994 TVD 17,033 TMD	WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DRIVE CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DRIVE CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	ROBERT BONE (S/R)	03-0837-0081.0000	81.99
2	WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON (SURV.)	03-0837-0050.0000	166.50
3	WILLIAM E. JOHNSTON & HAZEL E. BERTY JOHNSTON (SURV.)	03-0837-0074.0001	4.10
4	BENJAMIN M. MOSA & CHRISTINE L. HEISE	03-0837-0074.0000	24.41
5	THEODORE W. BUNNELL	03-0837-0068.0000	13.10
6	LPS INVESTMENT PARTNERSHIP	03-0837-0058.0000	65.00
7	ELLEN B. SANFORD	03-0837-0078.0000	66.00
8	LABELLE FARMS INC.	03-0842-0060.0000	349.88
9	ELLEN B. SANFORD	03-0838-0056.0000	203.93
10	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-0842-0047.0000	4.10
11	WINDSOR POWER HOUSE COAL CO.	03-0842-0048.0000	17.68
12	WINDSOR POWER HOUSE COAL CO.	03-0843-0015.0000	10.74
13	JOYCE ANN MCGEEHAN	03-0843-0017.0000	45.47

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	BENJAMIN M. MOSA & CHRISTINE L. HEISE (SURV)	03-0837-0079.0000	2.17
B	TERRENCE BONE & SUSAN BONE	03-0837-0080.0000	2.58
C	BRIAN K. HANEY & GINA M. HANEY (SURV)	03-0837-0077.0000	45.75
D	VEMURI HOME AND GARDENS L.L.C.	03-0837-0082.0000	1.00
E	DEBRA CYPHERT, MATTHEW H. FAIR, SUSAN S. FAIR, RICHARD HENTHORN	03-0837-0088.0000	59.95
F	DEBRA CYPHERT, MATTHEW H. FAIR, SUSAN S. FAIR, RICHARD HENTHORN	03-0837-0081.0000	93.93
G	SCHIAPPA AND COMPANY, INC.	03-0837-0023.0000	90.91
H	SCHIAPPA AND COMPANY, INC.	03-0837-0022.0000	145.96
I	VIVIAN LUCILLE MAZZELLA	03-0837-0045.0000	110.58
J	VEMURI DWARKA NATH dba AMERICAN HEART ASSOCIATES	03-0837-0047.0000	16.93
K	BONNIE LEE LUKACENA, SHELBY CARRELL, SHAYNE SCHUETZNER, SHANON SCHUETZNER, SHEY SCHUETZNER, CHERI SHARPE, JOHN THOMAS RODGERS, PAIGE ELIZABETH ROLLINS	03-0837-0048.0000	81.50
L	WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON	03-0837-0053.0001	1.33
M	BUFFALO CREEK CAMP	03-0837-0051.0000	1.00
N	WILDA L. RIPLEY (LIFE ESTATE), JOHN E. RIPLEY & SHERRILL J. RIPLEY (REMAINDERMEN)	03-0837-0082.0000	95.40
O	MARLIN G. CRAWFORD SR. & JOY CRAWFORD, HIS WIFE	03-0837-0055.0000	1.33
P	JOSEPH K. BOWMAN & GLORIA BOWMAN	03-0837-0070.0000	3.30
Q	JOSEPH K. BOWMAN & GLORIA BOWMAN	03-0837-0069.0001	3.40
R	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
S	WILLIAM E. JOHNSTON AND HAZEL E. JOHNSTON, JTWROS, CAROLE SILVER AND WOODROW W. SILVER, JR. (LIFE ESTATE), PAULA KAY SILVER (LIFE ESTATE)	03-0837-0072.0000	1.40
T	WILLIAM E. JOHNSTON & HAZEL E. JOHNSTON, JTWROS	03-0837-0073.0000	1.28
U	MELVIN E. PELUCHETTE	03-0837-0063.0000	109.39
V	KEITH LOTHIE	03-0837-0067.0000	1.50
W	JOHN B. DAUGHERTY	03-0837-0065.0000	3.20
X	ESTATE OF SHAWN C. ARACICH, DECEASED	03-0837-0064.0000	8.30
Y	LESJIE ELSON & GAYLENE ELSON	03-0838-0055.0000	0.47
Z	LESJIE ELSON & GAYLENE ELSON	03-0838-0048.0000	0.48
AA	PENNY MARIE STUMPF	03-0838-0057.0000	1.38
AB	WILLIAM FRANKLIN FONNER & MARY L. FONNER	03-0838-0044.0000	1.77
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 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	BETHE BECK LEONETTI (DECEASED)	03-0843-0005.0000	181.25
AL	WINDSOR POWER HOUSE COAL COMPANY	03-0843-0015.0000	5.74
AM	MARY WELLS CHAMBERS	03-0843-0014.0000	11.25
AN	MARY WELLS CHAMBERS	03-0843-0013.0000	3.77
AO	MARY WELLS CHAMBERS	03-0843-0012.0000	2.00
AP	BRIAN CORWIN	03-0843-0025.0000	57.09
AQ	JOYCE MCGEEHAN	03-0843-0017.0001	1.00
AR	THOMAS FLAHERTY	03-0843-0024.0000	0.96
AS	HILLARY SAYRE	03-0843-0023.0000	1.29
AT	SILVEA MAZZELLA WHITEHEAD	03-0843-0018.0000	1.00
AU	MARION PYLE STONE	03-0843-0019.0000	1.00
AV	MARION PYLE STONE	03-0843-0020.0000	1.96
AW	BRIAN DAVID CORWIN	03-0843-0022.0000	146.20
AX	WILLIAM BRITT COX	03-0843-0021.0000	44.73
AY	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-0842-0044.0000	8.50
AZ	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-0842-0045.0000	14.20
BA	THURMAN O. SPEECE, JR. & GOLDIE M. STANLEY	03-0842-0046.0000	89.13
BB	THURMAN O. SPEECE, JR. & JASON SPEECE (SURV)	03-0842-0046.0001	2.00
BC	JEFFREY S. WARD & DAWN A. WARD	03-0842-0059.0004	98.11
BD	AUSTIN WAYNE WADE & JUSTINE ADAH WADE	03-0842-0050.0000	4.94
BE	AUSTIN WAYNE WADE & JUSTINE ADAH WADE	03-0842-0060.0001	0.67
BF	JAMES HAZLETT & JO ELLEN HAZLETT	03-0842-0060.0002	65.47
BG	WILLIAM A. HAZLETT & LYNNETTE G. HAZLETT, JTWRS	03-0842-0060.0003	1.74
BH	EDGAR S. ERDMAN & CECELIA M. ERDMAN	03-0842-0049.0000	0.83
BI	LINDA REEVES GREATHOUSE & VICKI LYNN HAMILTON	03-0837-0087.0000	322.84
BJ	WILLIAM A. SPERRINGER III & JENNA L. SPERRINGER (SURV)	03-0837-0078.0000	2.35
BK	BENJAMIN M. MOSA & CHRISTINE L. HEISE (SURV)	03-0837-0075.0000	1.29
BL	JAMES HAZLETT & JO ELLEN HAZLETT (SURV)	03-0843-0064.0000	5.74
BM	BRIAN K. HANEY & GINA M. HANEY (SURV)	03-0837-0077.0001	5.00

REVISIONS:

COMPANY:

SWN
Production Company, LLC

OPERATOR'S ROBERT BONE

DATE: 08-26-2019

WELL #: 47-009-00287 BRK 10H

DRAWN BY: D.REED

DISTRICT:
BUFFALO

COUNTY:
BROOKE

STATE:
WV

SCALE: N/A
DRAWING NO: 2017-219
WELL LOCATION PLAT