

Latitude: 40°15'00" SURFACE HOLE 3785'

ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303

Latitude: 40°15'00"

BOTTOM HOLE 7096'

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,451,759.14
EASTING: 537,846.86

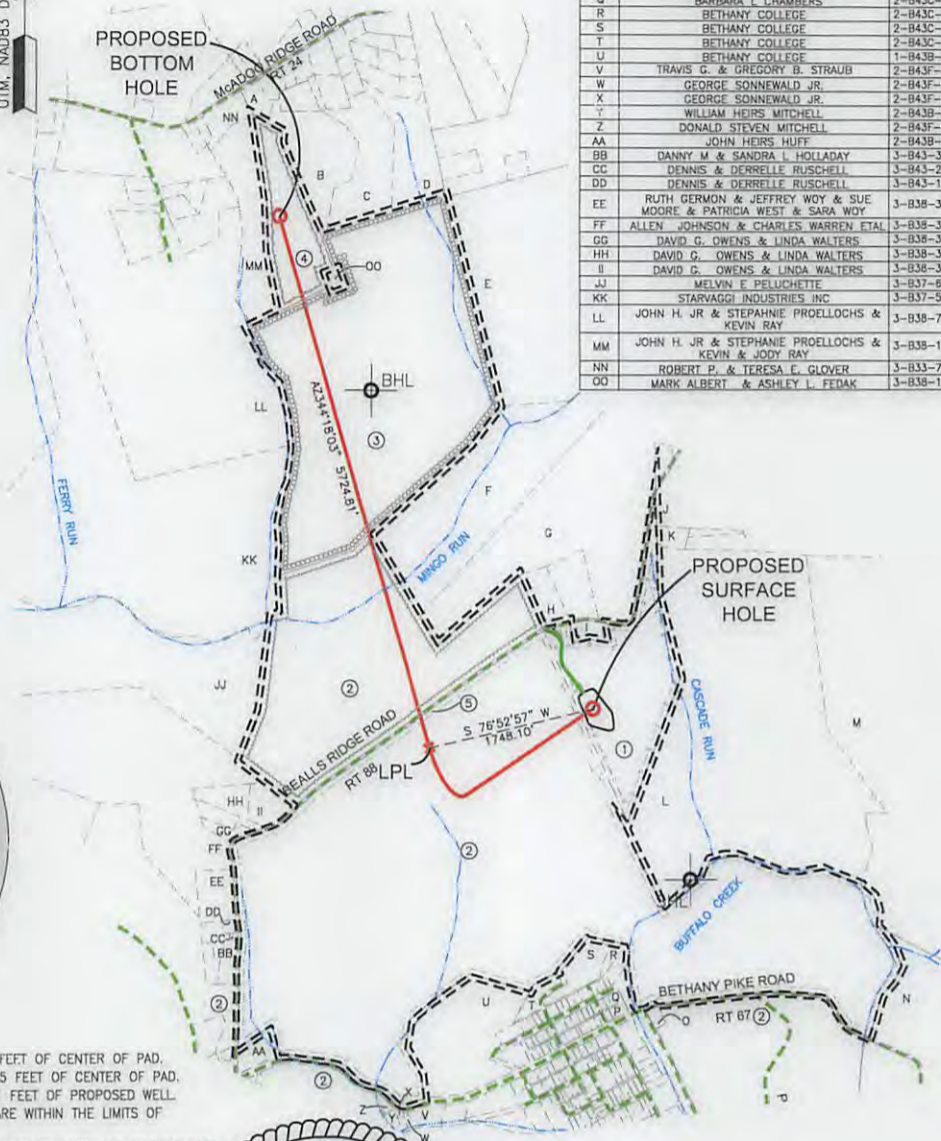
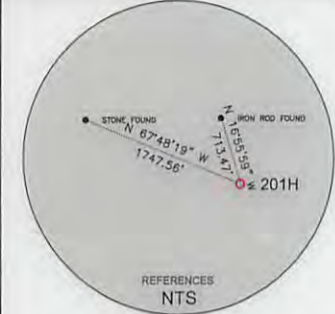
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,451,629.59
EASTING: 537,330.24

BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,453,300.64
EASTING: 536,830.19

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

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	KIMBERLY CARMAN WORTHLEY (S) COLONIAL CORP, A NEVADA CORP, & KIMBERLY J. CARMAN AKA KIMBERLY J. WORTHLEY, A MARRIED WOMAN DEALING IN HER SASP (R)	3-B38-27	40.00
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	BETHANY COLLEGE	3-B38-31	822.26
3	MARK A. & GEORGIA M. FEDAK	3-B38-14	142.67
4	MARK A. & GEORGIA M. FEDAK	3-B38-13	18.74
5	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	BEALLS RIDGE ROAD	3.39

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	ROBERT P. & TERESA E. GLOVER	3-B33-77-3	1.9400
B	MARK A. & GEORGIA M. FEDAK	3-B33-77	12.7300
C	MARK A. & GEORGIA M. FEDAK	3-B33-77-2	14.1600
D	DALE C. JR. & DELVIRA HUKILL	3-B33-85	12.6100
E	SPORTSMANS FARMERS ASSN	3-B38-17	101.0000
F	JEFFREY W. HENSLER	3-B38-28	63.1000
G	JEFFREY W. HENSLER	3-B38-27-1	60.4400
H	CHARLES F. & DONNA BROWN	3-B38-30	4.1800
I	CARRINGTON MORTGAGE SERVICES, LLC	3-B38-26	1.9500
J	MARK WEAVER OWEN & VIRGINIA BEALL KREUTZ	3-B38-19	249.0000
K	LANCE M. ELSON	3-B38-21	1.6180
L	KIMBERLY CARMAN WORTHLEY	3-B38-25	136.0000
M	MARK WEAVER OWEN & VIRGINIA BEALL KREUTZ	3-B38-24	188.0000
N	TRUST OF GENE CHARLES VALENTINE	3-B43-28	478.4400
P	RICHARD FRANCIS GORBY	3-B43-27	0.8600
Q	JAMES & KATHLEEN KEEGAN	2-B43C-37	0.5000
R	BARBARA L. CHAMBERS	2-B43C-36	0.3700
S	BETHANY COLLEGE	2-B43C-3	0.7300
T	BETHANY COLLEGE	2-B43C-2	4.5000
U	BETHANY COLLEGE	2-B43C-1	2.1000
V	BETHANY COLLEGE	1-B43B-26	29.4590
W	TRAVIS G. & GREGORY B. STRAUB	2-B43F-84	1.8600
X	GEORGE SONNEWALD JR.	2-B43F-82	0.2300
Y	GEORGE SONNEWALD JR.	2-B43F-81	0.2200
Z	WILLIAM HEIRS MITCHELL	2-B43B-22	1.1250
AA	DONALD STEVEN MITCHELL	2-B43F-83	0.1900
BB	JOHN HEIRS HUFF	2-B43B-4	3.0000
CC	DANNY M. & SANDRA L. HOLLADAY	3-B43-3	2.8410
DD	DENNIS & DERRELLE RUSCHELL	3-B43-2	0.1740
EE	DENNIS & DERRELLE RUSCHELL	3-B43-1	0.6170
FF	RUTH GERMON & JEFFREY WOY & SUE MOORE & PATRICIA WEST & SARA WOY	3-B38-37	5.2780
GG	ALLEN JOHNSON & CHARLES WARRREN ETAL	3-B38-36	84.0000
HH	DAVID G. OWENS & LINDA WALTERS	3-B38-35	1.9600
II	DAVID G. OWENS & LINDA WALTERS	3-B38-33	7.0400
JJ	DAVID G. OWENS & LINDA WALTERS	3-B38-32	3.6700
KK	MELVIN E. PELUCHETTE	3-B37-63	109.3920
LL	STARVAGGI INDUSTRIES INC	3-B37-53	215.8000
MM	JOHN H. JR. & STEPHANIE PROELLOCHS & KEVIN J. JOEY RAY	3-B38-12	20.2500
NN	ROBERT P. & TERESA E. GLOVER	3-B33-76	2.9770
OO	MARK ALBERT & ASHLEY L. FEDAK	3-B38-14-1	1.4460

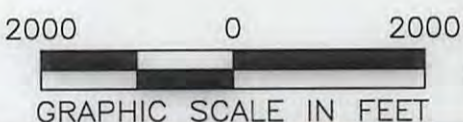


- WELL RESTRICTIONS**
- NO OCCUPIED DWELLINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
 - NO AGRICULTURE BUILDINGS > 2500 SQ. FT. WITHIN 625 FEET OF CENTER OF PAD.
 - WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 891 FEET OF PROPOSED WELL.
 - PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN THE LIMITS OF DISTURBANCE.
 - NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
 - NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

NOTES ON SURVEY

- 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.
- ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.
- WELLBORE PARCELS ARE DESIGNATED WITH UNIQUE LINE TYPES.

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.



COMPANY:
SWN Production Company, LLC **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)

WORTHLEY BRK

OPERATOR'S WELL #: 201H

API WELL #: 47 STATE 9 COUNTY PERMIT 00226

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1156.3'

DISTRICT: BUFFALO COUNTY: BROOKE COUNTY QUADRANGLE: BETHANY

SURFACE OWNER: KIMBERLY CARMAN WORTHLEY ACREAGE: ±40.00

OIL & GAS ROYALTY OWNER: COLONIAL CORP, A NEVADA CORP, & KIMBERLY J. CARMAN AKA KIMBERLY J. WORTHLEY, A MARRIED WOMAN DEALING IN HER SASP ACREAGE: ±40.00

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

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

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,015' TVD 12407' TMD

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

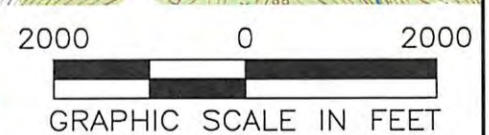
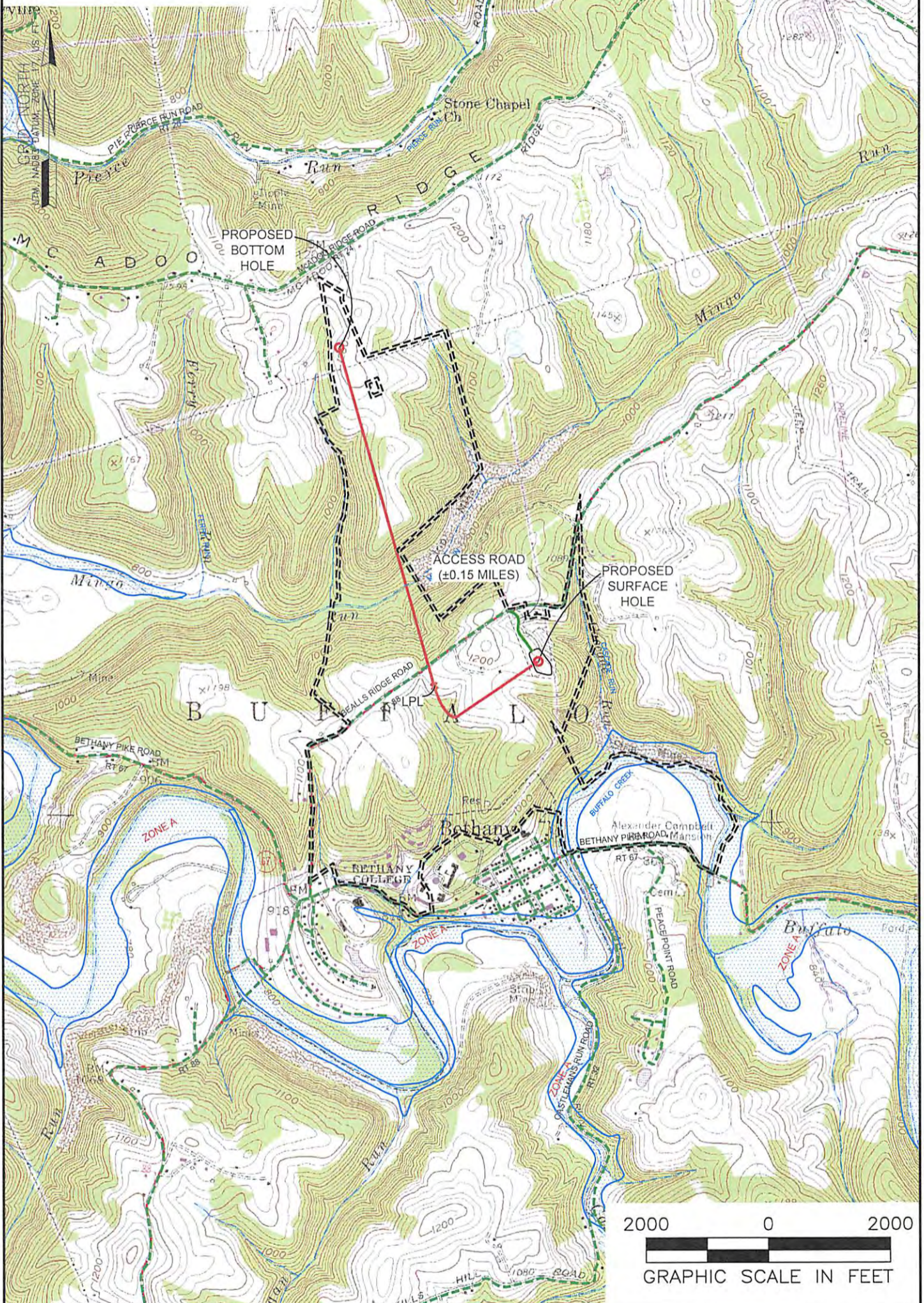
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

CITY: JANE LEW STATE: WV ZIP CODE: 26378 CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	REVISIONS:	DATE:
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	09-26-2017
⊙ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	FILE NO: 17-02
LPL ✕ LANDING POINT LOCATION	--- LEASE BOUNDARY	DRAWN BY: S. DUTKO
⊙ EXISTING WATER WELL	— PROPOSED PATH	SCALE: 1" = 2000'
⊙ EXISTING SPRING		DRAWING NO: 1
		WELL LOCATION PLAT 1

ELK LAKE SERVICES, LLC

280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303



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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 TO PREV. SITE
- LEASE BOUNDARY
- PROPOSED PATH
- ACCESS ROAD
- PUBLIC ROAD

10/13/2017

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: WORTHLEY BRK	WELL # 201H	SERIAL # XXXX
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY BROOKE COUNTY - 9	DISTRICT: BUFFALO	
SURFACE OWNER: KIMBERLY CARMAN WORTHLEY	USGS 7 1/2 QUADRANGLE MAP NAME BETHANY, WV		