

ELK LAKE SERVICES, LLC

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

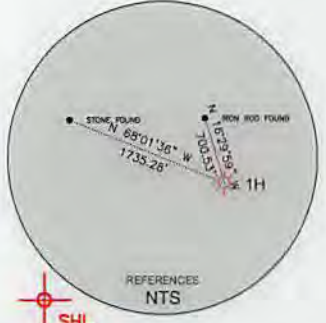
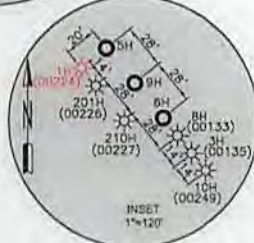
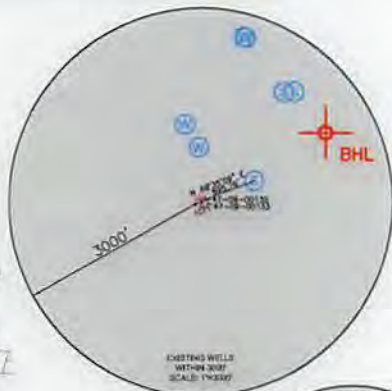
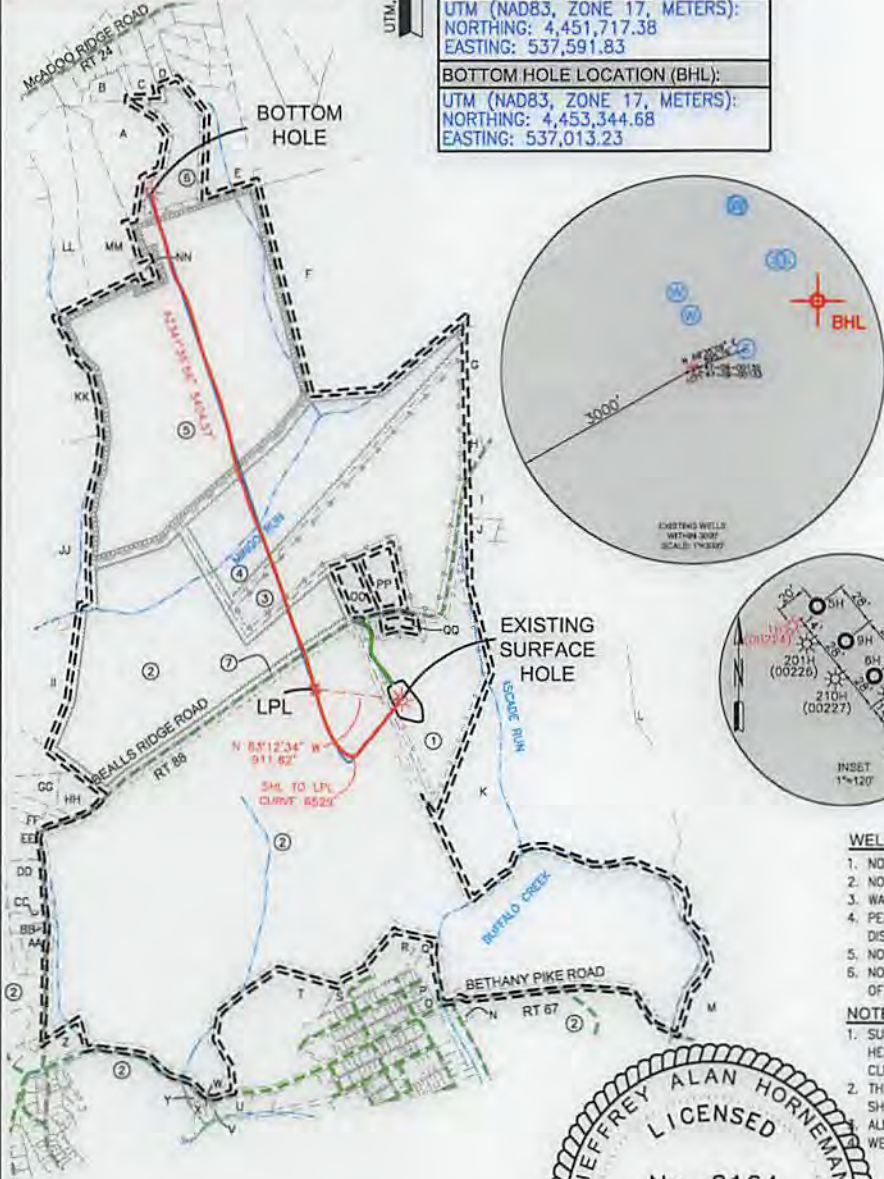
SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,762.43 EASTING: 537,844.27
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,789.02 EASTING: 537,568.47
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,344.22 EASTING: 537,022.03

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

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)	3-838-27	40.00
2	BETHANY COLLEGE	3-838-31	822.25
3	JEFFREY W. HENSHER	3-838-27.1	82.44
4	JEFFREY W. HENSHER	3-838-28	53.10
5	MARK A. & GEORGIA M. FEDAK	3-838-14	147.57
6	MARK A. & GEORGIA M. FEDAK	3-833-77.2	14.18
7	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	BEALLS RIDGE ROAD	3.39

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,762.41 EASTING: 537,844.11
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,451,717.38 EASTING: 537,591.83
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,453,344.68 EASTING: 537,013.23

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MARK A. & GEORGIA M. FEDAK	3-833-77	12.7500
B	GEORGIA M. & MARK A. FEDAK	3-833-77.1	2.5400
C	WILLIAM B. & CECILIA A. DIMAS	3-833-89	2.0000
D	PHILIP B. MAZZELLA	3-833-88	1.1300
E	DALE C. JR. & DELVIBIA HUSKILL	3-833-85	12.8100
F	SPORTSMAN FARMERS ASSN	3-838-17	161.0000
G	MARK OWEN WEAVER & VIRGINIA BEALL KREUTZ	3-838-19	249.0000
H	KEVIN SCOTT & LISA KAY STEWART	3-838-20	1.0600
I	MARK WEAVER OWEN & VIRGINIA BEALL KREUTZ	3-838-19	249.0000
J	LANCE M. ELSON	3-838-21	1.8180
K	KIMBERLY CARMAN WORTHLEY	3-838-25	136.0000
L	MARK WEAVER OWEN & VIRGINIA BEALL KREUTZ	3-838-24	188.0000
M	TRUST OF GENE CHARLES VALENTINE RICHARD FRANCIS GORRY	3-843-28	478.4400
N	RICHARD FRANCIS GORRY	3-843-27	0.8600
O	JAMES & KATHLEEN KEIRAN	2-843C-37	0.5000
P	BARBARA I. CHAMBERS	2-843C-36	0.3700
Q	BETHANY COLLEGE	2-843C-3	0.7300
R	BETHANY COLLEGE	2-843C-2	4.5000
S	BETHANY COLLEGE	2-843C-1	2.1000
T	BETHANY COLLEGE	1-843B-26	29.4590
U	TRAVIS C. & GREGORY B. STRAUB	2-843F-84	1.8600
V	GEORGE JR. SONNEWALD	2-843F-82	0.2300
W	GEORGE JR. SONNEWALD	2-843F-81	0.2200
X	WILLIAM MITCHELL HEIRS	2-843B-22	1.1250
Y	MITCHELL DONALD STEVEN	2-843F-83	0.1900
Z	JOHN HUFF HEIRS	2-843B-4	3.0000
AA	DANNY M. & SANDRA L. HOLLADAY	3-843-3	2.8410
BB	DENNIS A. DERRELLE RUSCHELL	3-843-2	0.1740
CC	DENNIS & DERRELLE RUSCHELL	3-843-1	0.6170
DD	RUTH GERMON & JEFFREY WOY & SUE MOORE & PATRICIA WEST & SARA WOY	3-838-37	5.2780
EE	ALLEN JOHNSON & CHARLES WARREN ETAL	3-838-36	84.0000
FF	DAVID G. OWENS & LINDA WALTERS	3-838-35	1.9800
GG	DAVID G. OWENS & LINDA WALTERS	3-838-33	7.5200
HH	DAVID G. OWENS & LINDA WALTERS	3-838-32	3.3700
II	MELVIN E. PELLICHETTE	3-837-63	109.3920
JJ	STARVAGGI INDUSTRIES INC	3-837-53	215.8000
KK	JOHN H. JR. & STEPHANIE PRODELLOCHS & KEVIN RAY	3-838-7	103.9830
LL	JOHN H. JR. & STEPHANIE PRODELLOCHS & KEVIN & JOEY RAY	3-838-12	20.2800
MM	MARK A. & GEORGIA M. FEDAK	3-838-13	18.7400
NN	MARK ALBERT & ASHLEY L. FEDAK	3-838-14.1	1.7400
OO	CHARLES F. & DONNA BROWN	3-838-30	4.1800
PP	JEFFREY WILLIAM HENSHER	3-838-29	5.3300
QQ	CARRINGTON MORTGAGE SERVICES, LLC	3-838-28	1.9500



WELL RESTRICTIONS

1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 896 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN THE LIMITS OF DISTURBANCE.
5. NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.
6. NO GROUND INTAKE OR PUBLIC WATER SUPPLY WITHIN 1000 FEET OF WELL PAD, LIMITS OF DISTURBANCE, E & S CONTROLS OR PUBLIC WATER SUPPLY.

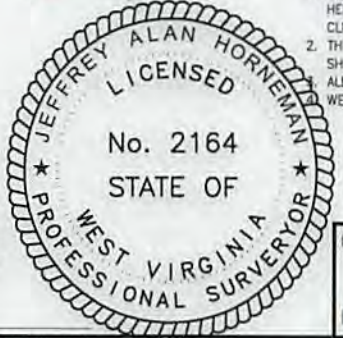
NOTES ON SURVEY

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.
- 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.

P.S. 2164



(+) 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 SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC

WORTHLEY BRK
OPERATOR'S WELL #: 1H
API WELL #: 47 009 00224
STATE COUNTY PERMIT

WELL TYPE: OIL WASTE DISPOSAL PRODUCTION DEEP GAS LIQUID INJECTION STORAGE SHALLOW
WATERSHED: UPPER OHIO SOUTH
DISTRICT: BUFFALO COUNTY: BROOKE COUNTY
SURFACE OWNER: KIMBERLY CARMAN WORTHLEY
OIL & GAS ROYALTY OWNER: COLONIAL CORP, A NEVADA CORP, & KIMBERLY J. CARMAN AKA KIMBERLY J. WORTHLEY, A MARRIED WOMAN DEALING IN HER SASP
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: 6,015' TVD 12,040' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
ADDRESS: 1300 FORT PIERPONT DR STE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508
DESIGNATED AGENT: BRITTANY WOODY
ADDRESS: 1300 FORT PIERPONT DR STE 201
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:	— SURVEYED BOUNDARY	— DRILLING UNIT
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— LEASE BOUNDARY	— EXISTING PATH
★ EXISTING / PRODUCING WELLHEAD	— EXISTING PATH	— PROPOSED PATH
LPL★ LANDING POINT LOCATION		
⊙ EXISTING WATER WELL		
⊙ EXISTING SPRING		

REVISIONS:	DATE: 01-09-2019
	FILE NO: 17-02
	DRAWN BY: JMB
	SCALE: 1" = 2000'
	DRAWING NO: 1
	WELL LOCATION PLAT 1

BOTTOM HOLE 7392'
SURFACE HOLE 12597'
Longitude: 80°32'30"