

Latitude: 40°10'00" SURFACE HOLE 515'

Latitude: 40°12'30"

BOTTOM HOLE 5807'

**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: 4,445,743.27  
EASTING: 531,777.56

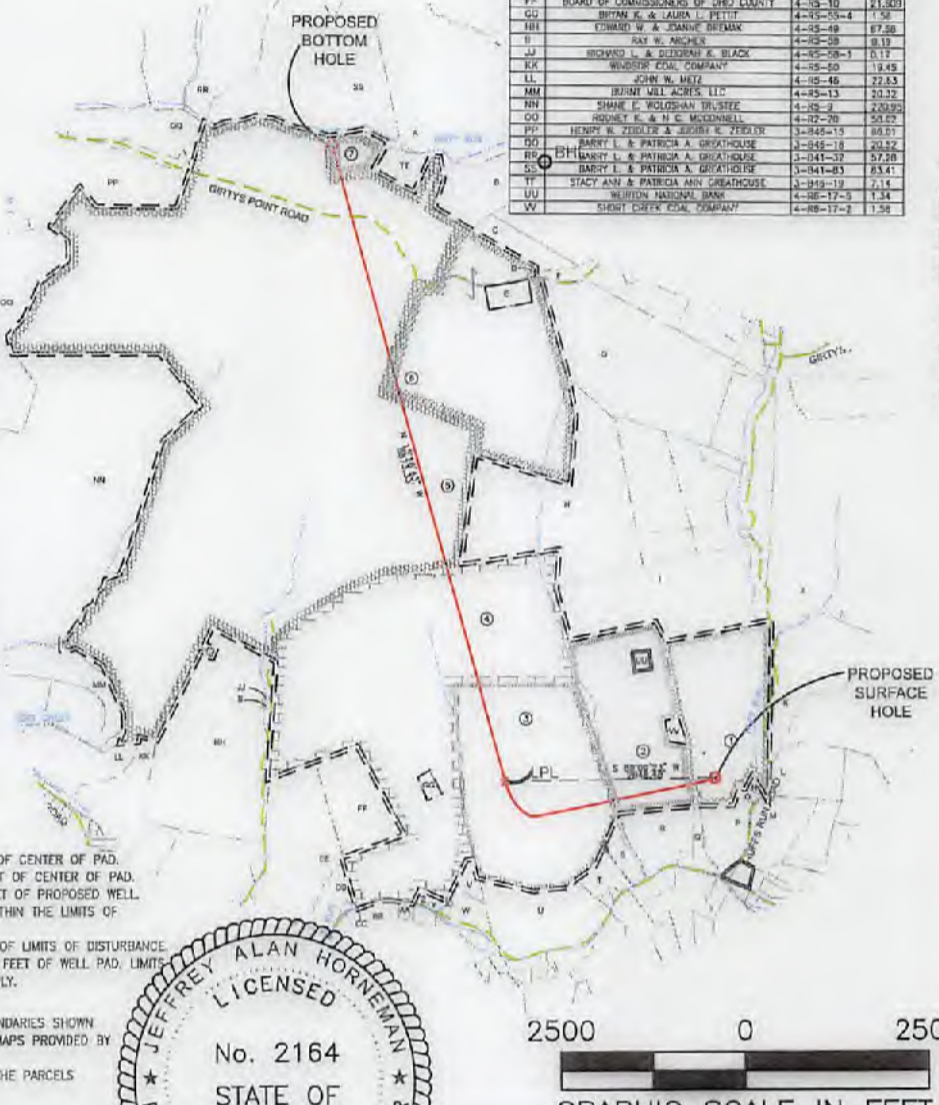
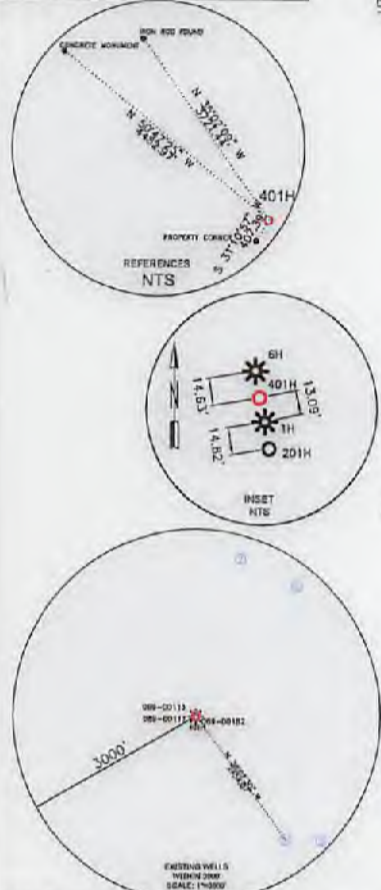
**LANDING POINT (LPL):**  
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,445,715.97  
EASTING: 530,910.09

**BOTTOM HOLE LOCATION (BHL):**  
UTM (NAD83, ZONE 17, METERS):  
NORTHING: 4,448,311.70  
EASTING: 530,154.10

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	SHORT CREEK COAL COMPANY (S) TRIENERGY HOLDING, LLC (R)	4-86-17-4	81.53
2	SURFACE OWNER	4-86-17	80.19
3	MARC AND KRISTEN SEAMON	4-86-37	110.20
4	BOARD OF COMMISSIONERS OF OHIO COUNTY	4-85-56	239.50
5	BOARD OF COMMISSIONERS OF OHIO COUNTY	4-85-10	888.03
6	BRUCE D. BOMAR & WILLIAM D. BOMAR	3-846-20	113.00
7	BARRY L. & PATRICIA A. GREATHOUSE	3-846-19	17.140

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	BARRY L. AND PATRICIA A. GREATHOUSE	3-846-19	17.140
B	DANNY GENE & VIRGINIA MARGARET BRITT	3-846-22-1	10.00
C	TRACY GILBERT	3-846-23-1	0.085
D	DOUGLAS E. STEWART	3-846-21	5.70
E	RUSTEN T. & BARBARA A. REAKE	3-846-23	2.20
F	MT THREE SONS HOLDINGS LP	3-846-24	76.83
G	MARC SEAMON	4-86-2	93.630
H	SHORT CREEK COAL COMPANY	4-86-17-3	81.53
I	WINDSOR COAL COMPANY	4-86-12	185.20
J	WINDSOR COAL COMPANY	4-86-15	32.80
K	WINDSOR COAL COMPANY	4-86-22-1	11.01
L	WINDSOR COAL COMPANY	4-86-21-3	15.42
M	WINDSOR COAL COMPANY	4-86-25	1.00
N	WINDSOR COAL COMPANY	4-86-26	1.80
O	WINDSOR COAL COMPANY	4-86-24-6	12.15
P	RICHARD A. WOOD, JR.	4-86-22	4.19
Q	EDITH M. WOOD	4-86-18-2	15.21
R	LOUIS J., JR. & DOROTHY L. ENNIS	4-86-19	5.81
S	SEAN A. SISKIACK	4-86-18-4	5.81
T	LANCE A. SISKIACK	4-86-18-1	30.28
U	MARC SEAMON	4-86-17	1,010
V	SHORT CREEK CEMETERY	4-86-60	8.50
W	SHORT CREEK METHODIST CHURCH	4-86-59	0.49
X	ROBERT L. & DOROTHY V. NEWAK	4-86-25-1	0.97
Y	ERIC W. & LISA H. GADD	4-86-15-3	0.80
Z	ERIC W. & LISA H. GADD	4-86-16-1	0.72
AA	LUTHER R. & D.F. SMITH	4-86-15	134.520
BB	AMERICAN DISPOSAL SERVICES OF WV INC.	4-86-36-1	1.25
CC	ALLIED WASTE INC.	4-86-36	9.90
DD	WINDSOR COAL COMPANY	4-86-11	28.13
EE	BOARD OF COMMISSIONERS OF OHIO COUNTY	4-86-10	21,800
FF	EDWARD W. & JOANNE BREMAX	4-86-49	87.86
GG	RAY W. ARCHER	4-86-28	8.19
HH	RICHARD L. & DOROTHY S. BLACK	4-86-38-1	0.11
II	WINDSOR COAL COMPANY	4-86-50	19.48
JJ	JOHN W. METZ	4-86-46	22.83
KK	BEHNT VILL ACRES LLC	4-86-13	20.32
LL	SHANE F. WOLOSHAN TRUSTEE	4-86-7	2,029.00
MM	ROBERT E. & H. C. MC DONNELL	4-86-39	53.57
NN	HENRY W. ZEDLER & JUDITH E. ZEDLER	3-846-15	80.21
OO	BARRY L. & PATRICIA A. GREATHOUSE	3-846-18	20.52
PP	BARRY L. & PATRICIA A. GREATHOUSE	3-841-32	57.28
QQ	BARRY L. & PATRICIA A. GREATHOUSE	3-841-83	83.41
RR	STACY ANN & PATRICIA ANN GREATHOUSE	3-846-19	2.14
SS	WINDSOR NATIONAL BANK	4-86-17-5	1.34
TT	SHORT CREEK COAL COMPANY	4-86-17-2	1.58

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



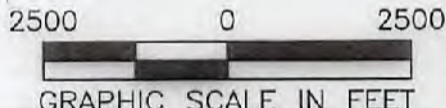
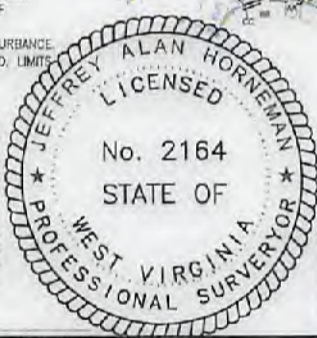
**WELL RESTRICTIONS**

- NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 825 FEET OF CENTER OF PAD.
- NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 825 FEET OF CENTER OF PAD.
- WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 2454 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.

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

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

OPERATOR'S WELL #: 401H

API WELL #: 47 STATE, 69 COUNTY, 00246 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1064.1'

DISTRICT: RICHLAND COUNTY: OHIO COUNTY QUADRANGLE: TILTONSVILLE

SURFACE OWNER: SHORT CREEK COAL COMPANY ACREAGE: ±61.53

OIL & GAS ROYALTY OWNER: TRIENERGY HOLDING, LLC ACREAGE: ±61.53

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: 5,791 TVD 15,773' 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:**

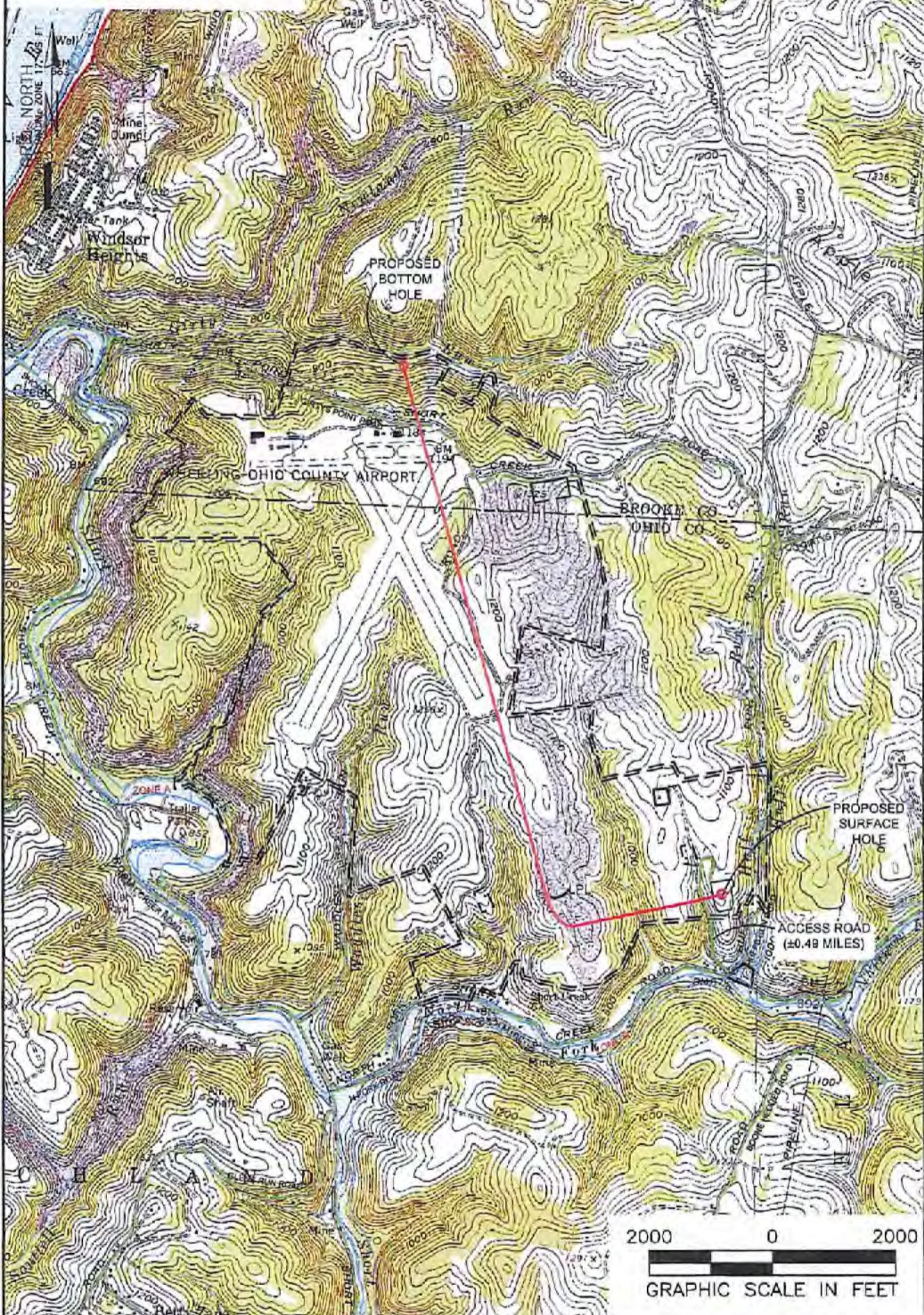
- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ⊙ EXISTING / PRODUCING WELLHEAD
- LPL\* LANDING POINT LOCATION
- ⊕ EXISTING WATER WELL
- ⊖ EXISTING SPRING
- SURVEYED BOUNDARY
- DRILLING UNIT
- ==== LEASE BOUNDARY
- PROPOSED PATH

**REVISIONS:**

DATE: 07-13-2017  
FILE NO: 16-76  
DRAWN BY: N. LASSAK  
SCALE: 1" = 2500'  
DRAWING NO: 1  
WELL LOCATION PLAT 1

**ELK LAKE SERVICES, LLC**

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



**NOTES ON SURVEY**

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2. THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
4. 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

09/22/2017

<b>WELL OPERATOR:</b> SWN PRODUCTION COMPANY, LLC	<b>WELL (FARM) NAME:</b> RAYLE COAL OHI	<b>WELL #</b> 401H	<b>SERIAL #</b> XXXX
<b>ADDRESS:</b> P.O. BOX 1300 JANE LEW. WV 26378	<b>COUNTY:</b> OHIO COUNTY - 69	<b>DISTRICT:</b> RICHLAND	
<b>SURFACE OWNER:</b> SHORT CREEK COAL COMPANY	<b>USGS 7 1/2 QUADRANGLE MAP NAME:</b> TILTONVILLE, WV		