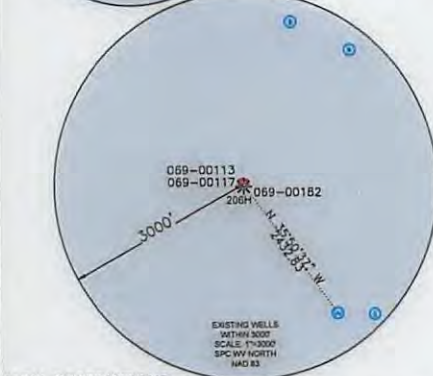
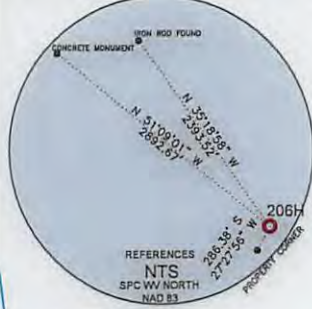


**ELK LAKE SERVICES, LLC**

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

Latitude: 40°10'00" SURFACE HOLE 520'  
Latitude: 40°10'00" BOTTOM HOLE 345'

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,445,751.65 EASTING: 531,775.88
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,445,492.15 EASTING: 531,222.66
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,442,803.40 EASTING: 531,841.69



WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS			
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	RAYLE COAL COMPANY (S/R)	4-R6-17-4	61.530
2	RAYLE COAL COMPANY	4-R6-17	60.190
3	SEAMON MARC	4-R6-37	110.200
4	SISARICK LUKE A	4-R6-19-4	5.814
5	SEAMON MARC	4-R6-37.1	30.250
6	DAVID M ZIEGLER AND DANNY J ZIEGLER	4-R9-22.2	24.320
7	WEBER JORDAN & GATLE	4-R9-9	89.784
8	KLAMUT NICHOLAS P	4-R12	10.506
9	MARK W AND DEBORAH L KETTLER	4-R9-5.1	1.970
10	LOGAN E HOPKINS	4-R9-5.2	6.011
11	STACY D EVANS	4-R9-3.5	65.144
12	LEWIS R AND ROSEANN F HOPKINS	4-R9-4	1.750
13	KENNEDY BETH ANNE	4-R9-3.4	1.508
14	RCK 2 GROUP LLC	4-R9-27	28.880
15	RCK 2 GROUP LLC	4-R9-1	26.230
16	WILLIAM H AND CAROL L REUTHER	4-R9-2	5.500
17	HARTLEY BRADFORD & NANNETTA	4-R9-1.3	30.640

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	RAYLE COAL COMPANY	4-R6-17.3	61.53
B	WINDSOR COAL COMPANY	4-R6-12	115.656
C	SHOOK WAYNE E	4-R6-15	32.80
D	GLADYS GOFF & WINDELL H. GOFF, II	4-R6-27.1	16.010
E	BRYAN STELLA M & BRYAN KATHLEEN J	4-R6-17.1	1.000
F	WINDSOR COAL COMPANY	4-R6-25	1.500
G	WOOD RICHARD A JR	4-R6-24.6	12.153
H	WOOD EDITH M	4-R6-22	4.176
I	ENNIS LOUIS J JR & GRETCHEEN L	4-R6-19.2	15.710
J	SISARICK SEAN A	4-R6-19	5.810
K	SPARKS DEBRA S	4-R6-20	3.577
L	LOUGH PAMELA S	4-R6-19.1	0.632
M	DUNCAN STEVEN E & S D	4-R9-22.1	5.502
N	ZIEGLER DAVID M & MARY H	4-R9-22.22	3.260
O	COTRELL ALEXANDER S	4-R9-22.3	5.300
P	KELLIAM CHARLES R & PHYLLIS J	4-R9-22.10	14.740
Q	MAIN DAVID B & L M	4-R9-10.1	29.014
R	MAIN DAVID B & L M	4-R9-10	8.535
S	CAVENEY CLAIRE M	4-R9-3	93.623
T	WESBANCO TRUST & INVESTMENT SERVIC	4-R9-16.1	14.720
U	BROWN JULIAN W TRUST	3-14-1.1	123.280
V	PAKAL CLARK & SHARON L	4-R9-28	5.000
W	JOHNSON JUDY K	4-R9-29	5.000
X	HART MARY ANN	4-R9-29.1	4.853
Y	HUGHES DONALD P & M E	4-R9-32	6.785
Z	GREATHOUSE WILLIAM J & SUSAN M	4-R12B-10.7	0.750
AA	JACKLYN M SEXTON	4-R12B-10.13	0.620
AB	FICCA RONALD J & CHAMBERS J L	4-R12B-10.4	0.734
AC	GAVIN O RICKETTS	4-R12B-10.3	0.648
AD	RODRIGUEZ EUSEBIO ELVESTROM	4-R12B-10.2	0.761
AE	HARTLEY BRADFORD & NANNETTA	4-R9-1.4	0.734
AF	HARTLEY BRADFORD & NANNETTA	4-R9-1.2	4.012
AG	COTRELL DOMINIC J & SHERRIE D	4-R12-19.34	5.135
AH	COTRELL DOMINIC J & SHERRIE D	4-R12-30	18.772
AJ	TAGGART GREGORY	4-R9-50	0.274
AK	TUNNEL RIDGE LLC	4-R9-61.4	145.790
AL	HOPKINS L R JR & R F DELATORE	4-R9-5	19.840
AM	HOPKINS LEWIS R JR & ROSEANN	4-R9-8	1.500
AN	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA	4-R6-61	63.7964
AO	AMERICAN DISPOSAL SERVICES	4-R6-15	334.522
AP	PERRY HELEN M (LIFE), ET AL	4-R9-14.1	3.830
AQ	PERRY HELEN M (LIFE), ET AL	4-R9-14.2	9.168
AR	PERRY JAMES W & TERESA L	4-R9-14.5	0.315
AS	PERRY JAMES W & TERESA L	4-R9-14.6	0.751
AT	SMITH LUTHER R JR & E L	4-R6-18.1	1.000
AU	SMITH LUTHER R JR & E L	4-R6-18.3	1.617
AV	SHORT CREEK METHODIST EPISCOPAL CHURCH	4-R6-60	1.549
AW	SHORT CREEK CEMETERY ASSOCIATION TRUSTEES	4-R5-57	1.610
AX	BOARD OF COMM OHIO CO	4-R5-55	239.532
AY	WESTON NATIONAL BANK	4-R6-17.5	1.339
AY	RAYLE COAL COMPANY (S/R)	4-R6-17.2	1.583

- 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 2433 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 PLAN 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 PLAN 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.



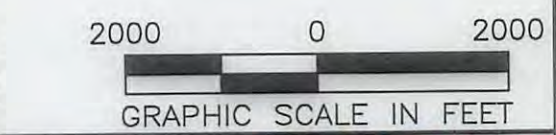
P.S. 2164

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



COMPANY: **SWN** Production Company, LLC

RAYLE COAL OHI  
OPERATOR'S WELL #: 206H  
API WELL #: 47 69 00210  
STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1063.8' STAKED

DISTRICT: RICHLAND COUNTY: OHIO COUNTY QUADRANGLE: TILTONSVILLE

SURFACE OWNER: RAYLE COAL COMPANY ACREAGE: ±61.53

OIL & GAS ROYALTY OWNER: RAYLE COAL COMPANY 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: 5,860' (MD 15,752' TMD)

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

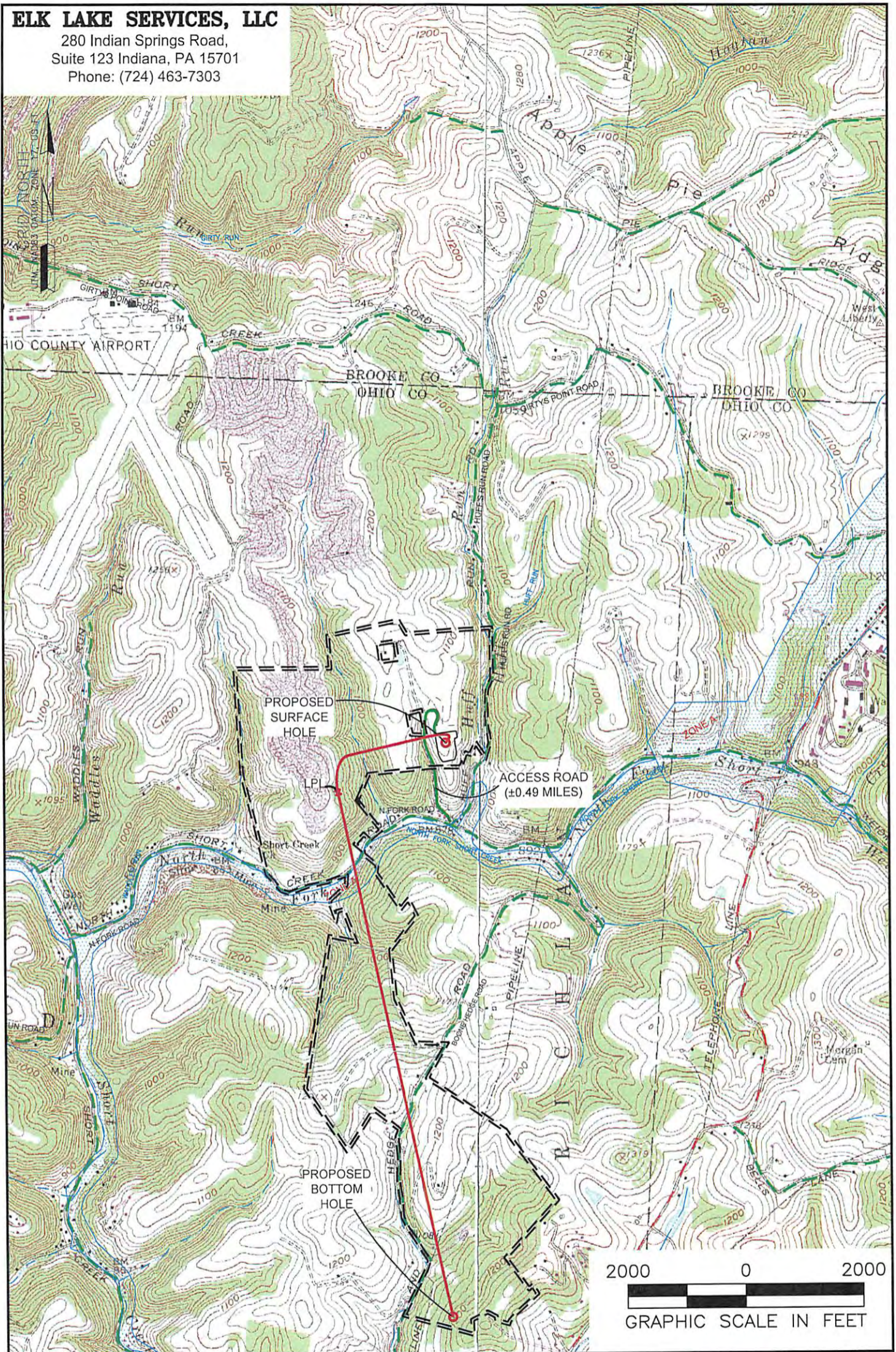
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

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

<b>LEGEND:</b>	— SURVEYED BOUNDARY	— DRILLING UNIT
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— LEASE BOUNDARY	— PROPOSED PATH
⊙ EXISTING / PRODUCING WELLHEAD		
LPL* LANDING POINT LOCATION		
⊙ EXISTING WATER WELL		
⊙ EXISTING SPRING		
<b>REVISIONS:</b>		<b>DATE: 01-19-2018</b>
		<b>FILE NO: 16-76</b>
		<b>DRAWN BY: N. LASSAK</b>
		<b>SCALE: 1" = 2000'</b>
		<b>DRAWING NO: 1</b>
		<b>WELL LOCATION PLAT 1</b>

**ELK LAKE SERVICES, LLC**

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Suite 123 Indiana, PA 15701  
Phone: (724) 463-7303



**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 PLAN

05/18/2018  
JAN 24 2018

**WELL OPERATOR:**  
SWN PRODUCTION COMPANY, LLC

**ADDRESS:**  
P.O. BOX 1300 JANE LEW, WV 26378

**SURFACE OWNER:**  
RAYLE COAL COMPANY

**WELL (FARM) NAME:** RAYLE COAL OHI  
**WELL # and SERIAL #** 206H XXXX

**COUNTY:** OHIO COUNTY - 69  
**DISTRICT:** RICHLAND

**USGS 7 1/2 QUADRANGLE MAP NAME:** TILTONSVILLE, WV