

# ELK LAKE SERVICES, LLC

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

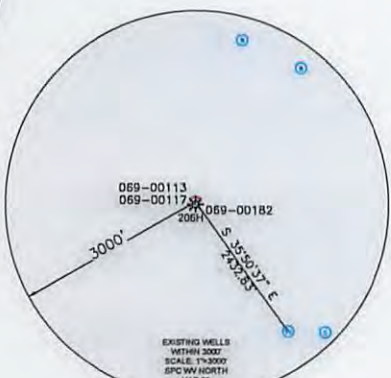
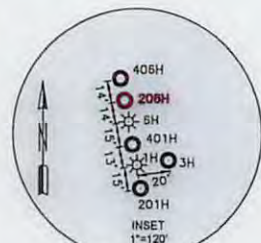
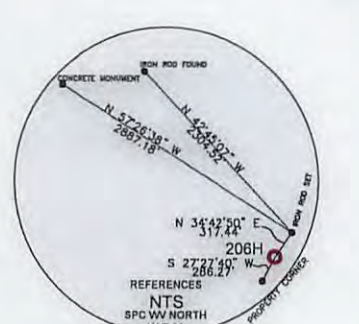
Latitude: 40°07'30"

BOTTOM HOLE 10,457'

<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: 4,440,797.82
EASTING: 532,319.75



Longitude: 80°35'00" BOTTOM HOLE 2,961'  
Longitude: 80°37'30" SURFACE HOLE 1,874'

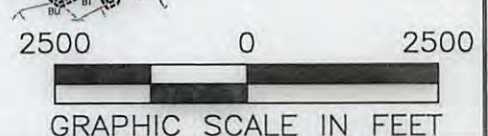
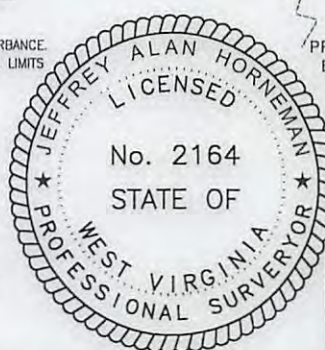


**WELL RESTRICTIONS**

- 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 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

COMPANY: **SWN** Production Company, LLC

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL &amp; GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)</p>	<p>COMPANY: <b>SWN</b> Production Company, LLC</p> <p>OPERATOR'S WELL #: 206H</p> <p>API WELL #: 47 69 00270</p> <p>STATE COUNTY PERMIT</p>
	<p>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"/></p> <p>WATERSHED: UPPER OHIO SOUTH</p> <p>DISTRICT: RICHLAND COUNTY: OHIO COUNTY</p> <p>SURFACE OWNER: RAYLE COAL COMPANY</p> <p>OIL &amp; GAS ROYALTY OWNER: RAYLE COAL COMPANY</p> <p>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"/></p> <p>CONVERT <input type="checkbox"/> PLUG &amp; ABANDON <input type="checkbox"/> CLEAN OUT &amp; REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 5,957' <b>08/10/2018</b></p>	<p>RAYLE COAL OHI</p> <p>ELEVATION: 1063.8' STAKED</p> <p>QUADRANGLE: TILTONSVILLE / VALLEY GROVE</p> <p>ACREAGE: ±61.53</p> <p>ACREAGE: ±61.53</p>

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>	<ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>LPL: LANDING POINT LOCATION</li> <li>EXISTING WATER WELL</li> <li>EXISTING SPRING</li> <li>SURVEYED BOUNDARY</li> <li>DRILLING UNIT</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> </ul>	<p>REVISIONS:</p> <p>DATE: 05-18-2018</p> <p>FILE NO: 16-76</p> <p>DRAWN BY: N. LASSAK</p> <p>SCALE: 1" = 3000'</p> <p>DRAWING NO: 1</p> <p>WELL LOCATION PLAT 1</p>
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# ELK LAKE SERVICES, LLC

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INSET A



INSET B

WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	RAYLE COAL COMPANY (S/R)	4-R6-17.4
TRACT SURFACE OWNER TAX PARCEL		
2	RAYLE COAL COMPANY	4-R6-17
3	SEAMON MARC	4-R6-37
4	SISARCICK LUKE A	4-R6-19.4
5	SEAMON MARC	4-R6-37.1
6	DAVID M ZIEGLER AND DANNY J ZIEGLER	4-R9-22.2
7	WEBER JORDAN & GAYLE	4-R9-9
8	KLAMUT NICHOLAS P	4-R9-12
9	MARK W AND DEBORAH L KETTLER	4-R9-5.1
10	MARK W AND DEBORAH L KETTLER	4-R9-7
11	LOGAN E HOPKINS	4-R9-5.2
12	STACY D EVANS	4-R9-3.5
13	KENNEDY BETH ANNE	4-R9-3.4
14	RCK 2 GROUP LLC	4-R9-27
15	RCK 2 GROUP LLC	4-R9-1
16	WILLIAM H AND CAROL L REUTHER	4-R9-2
17	HARTLEY BRADFORD & NANNETTA	4-R9-1.3
18	COTTRILL DOMINIC J & SHERRIE D	4-R12-19.34
19	FEDORKA DELORES M TRUST OF 1993	4-R12-19
20	LAWTHER DENNIS E & ANNA M	4-R12-19.35
21	ELSWICK CARLEY J & CHRISTOPHER M	4-R12-20
22	ELSWICK CARLEY & CHRISTOPHER	4-R12-21
23	EDWARD A AND KATHY L WOODS	4-R12-21.1
24	LAWRENCE W III & JACQUELYN M WITZBERGER	4-R12-22
25	BARON MICHAEL L AND KATHY D	4-R12-23.8
26	RATCLIFFE MICHAEL T & MICHELLE LYNN	4-R12-23.15
27	WELTY JOHN P	4-R12-35
28	GAND DAVID BOYCE & MARY ELLEN	4-R12-35.1
29	BEVERLY J KALO	4-R12-32
30	HARTO CHRISTOPHER L	4-R12-33
31	PEKLIANSKY ANDREW J	4-R12-34
32	TAYLOR KATHLEEN E & KEVIN J	4-R12-44
33	TARR JOHN A IV	4-R12-45
34	YBANEZ-MORANO JESSICA	4-R12-45.11
35	WEST VIRGINIA DEPARTMENT TRANSPORTATION, DIVISION OF HIGHWAYS	BETHANY PIKE

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	RAYLE COAL COMPANY	4-R6-17.3
B	WINDSOR COAL COMPANY	4-R6-12
C	SHOOK WAYNE E	4-R6-15
D	GLADYS GOFF & WINDELL H. GOFF, II	4-R6-27.1
E	GLADYS GOFF & WINDELL H. GOFF, II	4-R6-24.3
F	BRYAN STELLA M & BRYAN KATHLEEN J	4-R6-17.1
G	WINDSOR COAL COMPANY	4-R6-25
H	WOOD RICHARD A JR	4-R6-24.6
I	WOOD EDITH M	4-R6-22
J	ENNIS LOUIS J JR & GRETCHEN L	4-R6-19.2
K	SISARCICK SEAN A	4-R6-19
L	DUNCIL STEPHEN	4-R6-20
M	CURRY SPENCER & SHERRY	4-R6-19.3
N	LOUGH PAMELA S	4-R6-19.1
O	DUNCIL STEVEN E & S D	4-R9-22.1
P	ZIEGLER DAVID M & MARY H	4-R9-22.22
Q	COTTRILL ALEXANDER S	4-R9-22.3
R	KELAM CHARLES R & PHYLLIS J	4-R9-22.10
S	MAN DAVID B & L M	4-R9-10.1
T	MAN DAVID B & L M	4-R9-10
U	CAVENEY CLAIRE M	4-R9-3
V	WESBANKO TRUST & INVESTMENT SERVIC	4-R9-16.1
W	BROWN LILLIAN W TRUST	3-L4-1.1
X	PAJAK CLARK & SHARON L	4-R9-28
Y	JOHNSON JUDY K	4-R9-29
Z	HART MARY ANN	4-R9-29.1
AA	HUGHES DONALD P & M E	4-R9-32
AB	GREATHOUSE WILLIAM J & SUSAN M	4-R12B-10.7
AC	JACKLYN M SEXTON	4-R12B-10.13
AD	FICCA RONALD J & CHAMBERS J L	4-R12B-10.4
AE	GAVIN D RICKETTS	4-R12B-10.3
AF	RODRIGUEZ EUSEBIO ELVESTROM	4-R12B-10.2
AG	HARTLEY BRADFORD & NANNETTA	4-R9-1.4
AH	HARTLEY BRADFORD & NANNETTA	4-R9-1.2
AI	HARTLEY BRADFORD & NANNETTA	4-R9-1.5
AJ	GARRISON MICHELLE	4-R9-1.5
AK	ERIC AND JENNIFER WODESKY	4-R12-19.41
AL	ANDERSON NIKKI ANN & MICHAEL DAVID	4-R12-19.43
AM	JAMES RALPH I & CLARA L GARCIA	4-R12B-10.14
AN	MOORE MITCHELL & SANDRA	4-R12-19.29
AO	MOORE MITCHELL J & SANDRA	4-R12-19.28
AP	BAKAITS BRIAN S	4-R12-19.24
AQ	KNIGHT JEFFREY M & KRISTEN M	4-R12-19.25
AR	KUBOVICZ SUSAN K	4-R12-19.23
AS	SHORT LUKE A & KUCERA-SHORT JENNIFER L	4-R12-19.20
AT	SHORT LUKE A & KUCERA-SHORT JENNIFER L	4-R12-19.17
AU	WINE MATTHEW M	4-R12-19.19
AV	GARY ALLEN, JR. AND WHITNEY MARIE NOEL NASH	4-R12-19.56
AW	DANN JEREMIAH & JENNIFER	4-R12-19.11
AX	SPARKS KEVIN T & KELLY L	4-R12-19.7
AY	MARVIN JACK R JR & S L	4-R12-19.14
AZ	LUCAS RICHARD J & KRISTEN L	4-R12-19.4
BA	TIERRA HOME OWNERS ASSOCIATION	4-R12-19.33
BB	WITZBERGER LAWRENCE IV	4-R12-19.5
BC	WITZBERGER NANCY	4-R12-23.2
BD	OHIO COUNTY PUBLIC SERV DIST	4-R12-35.3
BE	RITA A. CASTLE	4-R12B-1.3
BF	MICHAEL JAMES HALL (LIFE ESTATE) CYNTHIA ANN HALL DICKERSON, CHAROLETT SUZANNE HALL (REMAINDER)	3-L7-21.1
BC	MELISSA MEALY & JENNA PETRI	4-R12-39
BH	MCKENZIE RONALD M & DEBORAH	4-R12-39.1
BI	CALDWELL JEFFREY WAYNE	4-R12-40.1
BJ	JELLEN ELIZABETH M	4-R12-41
BK	LOUGH DONALD E & D A	4-R12-43
BL	DNR PROPERTIES, LLC	4-R12-41.2
BM	RINEHART JAMES R JR	4-R12-41.1
BN	DENT SARA R & DAVID A	4-R12-45.21
BO	TENNANT JEFFREY AND ANGELA M	4-R12-45.7
BP	SMITH LLOYD DALE II & KAREN L	4-R12-45.10
BQ	WILLER TY E & TEENA Y	4-R12-45.5
BR	PHILLIPS TINA L & PADDEN ELIZABETH A	4-R12-45.8
BS	VINCENT G AND KRISTEN A DECARLO	4-R12-45.3
BT	BROWN GILBERT ALLAN & LUCILLE ELIZABETH	4-R12-45.4
BU	BROWN G ALLAN & L E	4-R12-47
BV	ROBERT AND PATRICIA WEISS 2016 IRREVOCABLE TRUST	4-R12-46
BW	WEISENBORN KERRIE	4-R12-45.15
BX	TARR CHRISTOPHER & CHRISTINE	4-R12-45.14
BY	NUGENT JOAN S	4-R12-45.6

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BZ	TARR JOHN A IV & SABRINA M	4-R12-45.13
CA	LECHNER JONATHAN D	4-R12-45.12
CB	MULL W QUAY II TRUST	4-R12-12
CC	RIES RYAN & WASSAM DANIELLE	4-R12-45.20
CD	JOHN A. TARR, III FAMILY TRUST	4-R12-45.9
CE	BAROSSO CARL & GIACOMAZZA MARIE	4-R12-45.19
CF	NOEL KAREN & YOCUM SCOTT R	4-R12-45.17
CG	HENRY LORI C/O HENRY'S SERVICE STATION	4-R12-31
CH	RCAM ANN E	4-R12-30
CJ	GORNEY MARY M (LIFE ESTATE) & TAGG KATHLEEN C GORNEY	4-R12-24
CI	CIARROCCHI GLORIA J	4-R12-23.4
CK	PAUGH LARRY E	4-R12-23.9
CL	JEBBIA E & RUTTENBERG R & O'DELL J	4-R12-23.5
CM	PAREE MATTHEW J & TISHA L	4-R12-23.6
CN	RUMIS HARRY A JR AND EDITH J	4-R12-23
CO	PAGE BRIAN K & STACEY L	4-R12-23.7
CP	HENRY LORI JEAN	4-R12-23.14
CQ	HENRY LORI JEAN	4-R12-7
CR	DONALDSON KARYL LEE	4-R12-16
CS	DI FRANCO DAVID P & KRISTY A	4-R12-23.3
CT	DI FRANCO DAVID PATRICK & KRISTY ANN	4-R12-17
CU	SMITH SEAN P & KATIE M	4-R12-23.28
CV	RELYKS LLC	4-R12-5
CW	JOSEPH ELIAS	4-R12-1
CX	ROBERT E JONES LIVING TRUST	4-R12-18
CY	HARRIMAN DANIEL & M	4-R12-18.2
CA	HARRIMAN DANIEL & M	4-R12-18.1
CZ	KEDING STEPHEN E & DEBORAH E	4-R12-19.21
DB	MARSH BENJAMIN A	4-R12-19.31
DC	RHODE DANIEL D & WENDY L	4-R12-19.43
DD	COLUMBIA GAS TRANSMISSION CORP	4-R12-19
DE	COTTRILL DOMINIC J & SHERRIE D	4-R12-19.30
DF	TAGGART GREGORY	4-R9-50
DG	TUNNEL RIDGE LLC C/O PROPERTY TAX	4-R6-61.4
DH	KNIGHT WILLIAM ISAAC & SERTICH MEREDITH	4-R9-3.7
DI	HOPKINS LEWIS R JR & R F	4-R9-3.3
DJ	LEWIS R AND ROSEANN F HOPKINS	4-R9-4
DK	HOPKINS LEWIS R JR & ROSEANN F	4-R9-5
DL	HOPKINS LEWIS R JR & ROSEANN	4-R9-8
DM	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA	4-R6-81
DN	AMERICAN DISPOSAL SERVICES	4-R6-15
DO	PERRY HELEN M (LIFE) ET AL	4-R9-14.1
DP	PERRY HELEN M (LIFE) ET AL	4-R9-14.2
DQ	PERRY JAMES W & TERESA L	4-R9-14.5
DR	PERRY JAMES W & TERESA L	4-R9-14.6
DS	PERRY LEWIS A JR AND SHARON	4-R9-14.7
DT	SMITH LUTHER R JR & E L	4-R9-14.4
DU	SMITH LUTHER R JR & E L	4-R6-18.1
DV	SMITH LUTHER R JR & E L	4-R6-18.3
DW	SHORT CREEK METHODIST EPISCOPAL CHURCH	4-R6-60
DX	SHORT CREEK CEMETERY ASSOCIATION TRUSTEES	4-R6-57
DY	BOARD OF COMM OHIO CO	4-R6-55
DZ	WESBANKO BANK INC	4-R6-17.5
EA	RAYLE COAL COMPANY (S/R)	4-R6-17.2
EB	MENDELSON MATTHEW D & SHARON R	4-R12-23.10
EC	MENDELSON MATTHEW D & SHARON R	4-R12-23.13
ED	MATTHEW D. AND SHARON R. MENDELSON	4-R12-23.12
EE	MENDELSON MATTHEW D & SHARON R	4-R12-23.11
EF	BROADWATER FRANCINE	4-R12-19.44
EG	ELSWICK CARLEY J. & CHRISTOPHER M.	4-R12-19.22
EH	BROADWATER TRAVIS	4-R12-19.25
EI	BROADWATER TRAVIS J & JENNA N	4-R12-19.39
EJ	RICO A COVILLE & TRACY C HIBBS-COVILLE	4-R12-19.38
EK	RICO A COVILLE & TRACY C HIBBS-COVILLE	4-R12-19.37
EL	RICO A COVILLE & TRACY C HIBBS-COVILLE	4-R12-19.37
EM	CARNEY MICHAEL B & KERRYNN M	4-R12-19.12
EN	CARNEY MICHAEL B & KERRYNN M	4-R12-19.6
EO	GRUBER ALEX J & AMANDA L	4-R12-19.40
EP	EDGMON DENA M	4-R12-19.15
EQ	GEORGE KATHLEEN A	4-R12-19.16
ER	BURKEY MICHAEL PAUL & ASHLEE A	4-R12-19.9
ES	MULL RICHARD C & D	4-R12-19.10
ET	LONG BRIAN K & STACEY M	4-R12-19.13
EU	JACKSON HOLE PROPERTIES LLC	4-R12-19.15
EV	YAHN CHRISTOPHER A & JACQUELINE	4-R12-19.2
EW	YAHN CHRISTOPHER A & JACQUELINE	4-R12-19.3
EX	WOLF THOMAS J & JUDITH K	4-R12-19.42
EY	WOLF THOMAS J & JUDITH K	4-R12-19.8
EZ	CAVENEY CLAIRE M	4-R9-10.2

08/10/2018

REVISIONS:	

OPERATOR'S	RAYLE COAL	DATE:	05-18-2018
WELL #:	206H	FILE NO:	16-76
DISTRICT:	RICHLAND	DRAWN BY:	N. LASSAK
COUNTY:	OHIO COUNTY	SCALE:	N/A
STATE:	WV	DRAWING NO:	1
		WELL LOCATION PLAT	1