

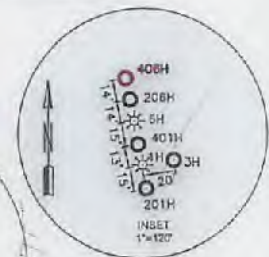
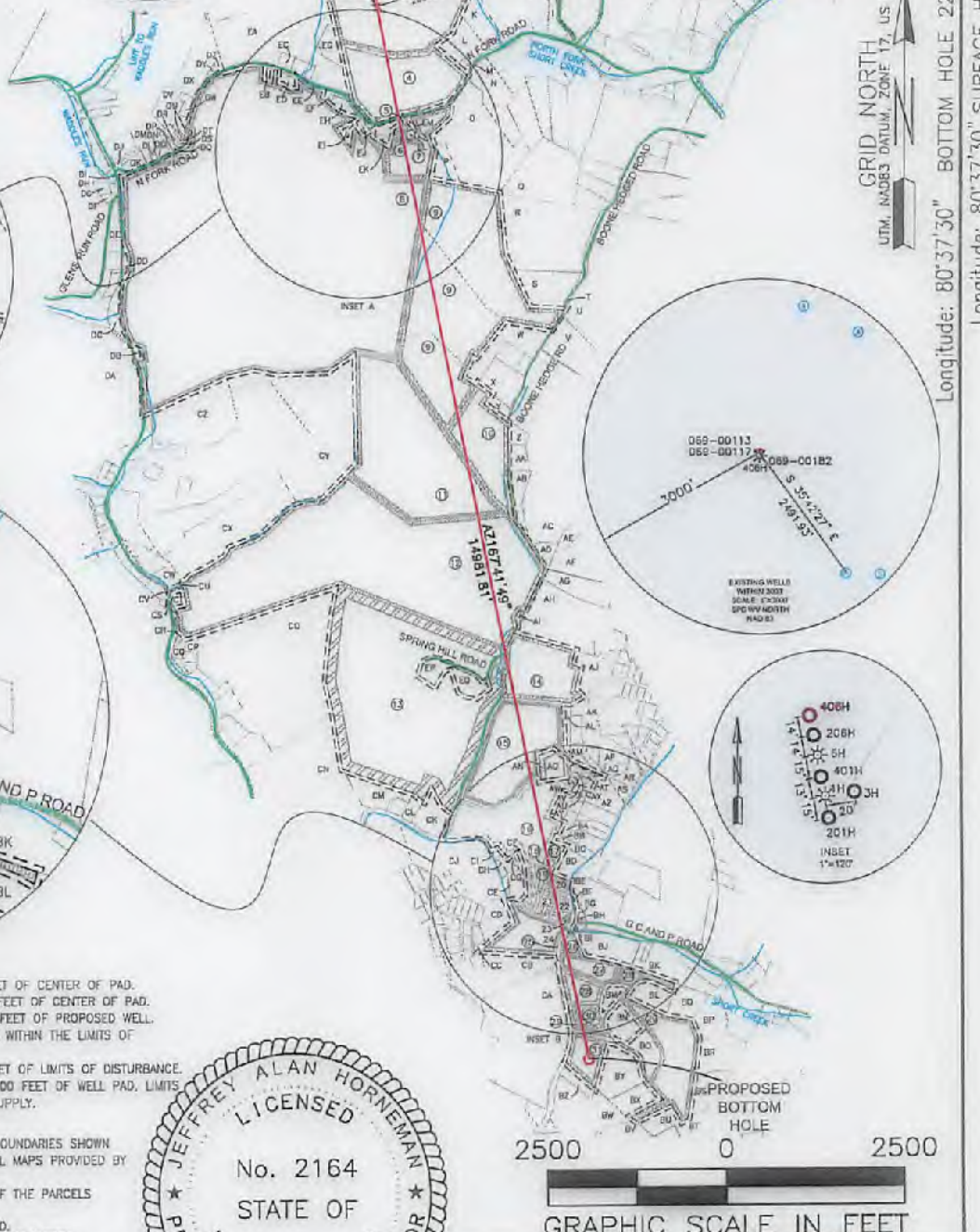
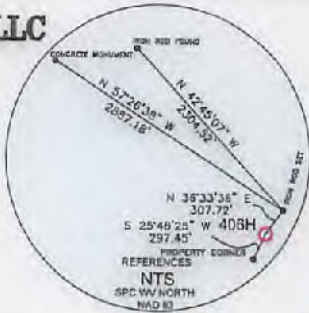
Latitude: 40°10'00" SURFACE HOLE 523'

Latitude: 40°07'30" BOTTOM HOLE 76'

# ELK LAKE SERVICES, LLC

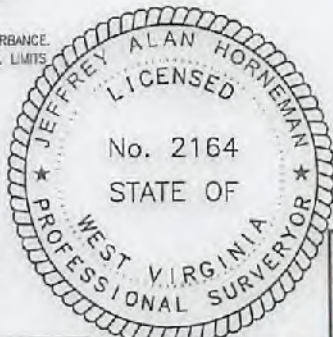
280 Indian Springs Road,  
Suite 123 Indiana, PA 15701  
Phone: (724) 463-7303

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,445,755.83
EASTING: 531,775.04
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,445,476.09
EASTING: 530,958.07
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,441,014.50
EASTING: 531,931.11



- 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 2482 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 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	MINIMUM DEGREE OF ACCURACY: 1/200	COMPANY: SWN Production Company, LLC
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SOURCE OF ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	OPERATOR'S WELL #: 406H API WELL #: 47 STATE, 69 COUNTY, 00292 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 QUADRANGLE: TILTONVILLE/WHEELING

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: 5,925 MD 21,950 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>	<input checked="" type="checkbox"/> PROPOSED SURFACE HOLE / BOTTOM HOLE <input checked="" type="checkbox"/> EXISTING / PRODUCING WELLHEAD LPL* LANDING POINT LOCATION <input checked="" type="checkbox"/> EXISTING WATER WELL <input checked="" type="checkbox"/> EXISTING SPRING	SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH	<b>REVISIONS:</b> DATE: 05-17-2018 FILE NO: 16-76 DRAWN BY: N. LASSAK SCALE: 1" = 2500' DRAWING NO: 1 WELL LOCATION PLAT 1
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08/10/2018

# ELK LAKE SERVICES, LLC



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

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
2	RAYLE COAL COMPANY	4-R6-17
3	MARC SEAMON	4-R6-37
4	MARC SEAMON	4-R6-37.1
5	JAMES W & TERESA L PERRY	R4-R9-14.6
6	LEWIS A PERRY JR AND SHARON PERRY	4-R9-14.7
7	HELEN M PERRY (LIFE) ET AL	4-R9-14.2
8	AMERICAN DISPOSAL SERVICES	4-R8-15
9	JORDAN & GAYLE WEBER	4-R9-9
10	L R HOPKINS JR & R F DELATORE	4-R9-5
11	AMERICAN DISPOSAL SVCS OF WV	4-R8-61
12	TUNNEL RIDGE LLC	4-R8-61.4
13	JOSEPH ELIAS	4-R12-1
14	DOMINIC J & SHERRIE D COTTRELL	4-R12-19.30
15	ROBERT E JONES LIVING TRUST	4-R12-18
16	MICHAEL T & MICHELLE LYNN RATCLIFFE	4-R12-23.15
17	CHRISTOPHER T. GEORGE & AMBER D. GEORGE	4-R12-23.21
18	ROLLIN P. BOHN & TARA BOHN	4-R12-23.22
19	HOLLY J. ZAHNOW	4-R12-23.24
20	BRIAN K & STACEY L PAGE	4-R12-23.7
21	LORI JEAN HENRY	4-R12-23.14
22	LORI JEAN HENRY	4-R12-23.1
23	LORI JEAN HENRY	4-R12-8999-9999
24	LORI JEAN HENRY	4-R12-7
25	WV DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	BETHANY PIKE
26	LORI HENRY C/O HENRY'S SERVICE STATION	4-R12-29
27	NOEL KAREN & SCOTT R YOCUM	4-R12-45.17
28	RYAN RIES & DANIELLE WASSAM	4-R12-45.20
29	JOHN A TARR IV	4-R12-45
30	JOHN A TARR III	4-R12-45.9
31	JONATHAN D LECHNER	4-R12-45.12

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	SHORT CREEK COAL COMPANY	4-R6-17.3
B	WINDSOR COAL COMPANY	4-R6-12
C	SHOOK, WAYNE E	4-R6-15
D	GOFF, GLADYS & WINDELL H, II	4-R6-27.1
E	BRYAN, STELLA M & KATHLEEN J	4-R6-17.1
F	WINDSOR COAL COMPANY	4-R6-25
G	GLADYS GOFF & WINDELL H. GOFF, II	4-R6-24.3
H	WOOD, RICHARD A JR	4-R6-24.6
I	ENNIS, LOUIS J JR & GRETCHEEN L	4-R6-19.2
J	SISARCICK, SEAN A	4-R6-19
K	LOUGH, PAMELA S	4-R6-19.4
L	LOUGH, PAMELA S	4-R6-19.1
M	DUNCIL, STEVEN E & S D	4-R9-22.1
N	ZIEGLER, DAVID M & MARY H	4-R9-22.2
O	PERRY, HELEN M (LIFE); ET AL	4-R9-14.1
P	KELLAM, CHARLES R & PHYLLIS J	4-R9-22.10
Q	MAIN, DAVID B & L M	4-R9-10.1
R	MAIN, DAVID B & L M	4-R9-10
S	CAVENEY, CLAIRE M	4-R9-3
T	CAVENEY, CLAIRE M	4-R9-10.2
U	CAVENEY, CLAIRE M	4-R9-3
V	WESBANCO TRUST & INVESTMENT SERVIC	4-R9-16.1
W	KLAMUT, NICHOLAS P	4-R9-12
X	MONROE, JEWELL A AND RODNEY L	4-R9-5.2
Y	HOPKINS, LEWIS R JR & ROSEANN	4-R9-8
Z	HOPKINS, LEWIS R JR & R	4-R9-4
AA	HOPKINS, LEWIS R JR & R F	4-R9-3.5
AB	KNIGHT, WILLIAM ISAAC SERTICH MERIDITH	4-R9-3.7
AC	EVANS LA DONNA MARTIN	4-R9-3.5
AD	KENNEDY, BETH ANNE	4-R9-3.4
AE	RCK 2 GROUP, LLC	4-R9-27
AF	RCK 2 GROUP ATTN KAYLEEN FITZSIMMONS	4-R9-1
AG	REUTHER WILLIAM H & C L	4-R9-2
AH	HARTLEY, BRADFORD & NANNETTA	4-R9-1.3
AI	TAGGART, GREGORY	4-R9-50
AJ	COTTRELL, DOMINIC J & SHERRIE D	4-R12-19.34
AK	DENNIS E & ANNA M LAWTHER	4-R12-19.35
AL	COLUMBIA GAS TRANSMISSION CORP	4-R12-19.1
AM	STEPHEN E & DEBRAH E KEDING	4-R12-19.21
AN	HARRIMAN, DANIEL	4-R12-18.2
AO	DANIEL M HARRIMAN	4-R12-18.1
AP	ELSWICK CARLEY & CHRISTOPHER	4-R12-21
AQ	WOODS EDWARD A & K L	4-R12-21.1
AR	WITZBERGER LAWRENCE IV	4-R12-19.5
AS	NANCY WITZBERGER	4-R12-23.2
AT	MATTHEW J. & TISHA L. PAREE	4-R12-23.11
AU	MENDELSON, MATTHEW D	4-R12-23.1
AV	THOMAS, ANN F	4-R12-23.13
AW	THOMAS, ANN F	4-R12-23.12
AX	MILLER, JOHN DAVID & JENNIFER LYN	4-R12-23.26
AY	RATCLIFFE, MICHAEL THOMAS & MICHELLE LYNN	4-R12-23.16
AZ	WITZBERGER, LAWRENCE W III & J C	4-R12-22
BA	PAREE, TISH L, NELSON, DALE & PAMELA	4-R12-23.23
BB	PAREE, MATTHEW J. & TISHA L	4-R12-22.20
BC	PAREE, MATTHEW J & TISHA	4-R12-22.06
BD	HARRY A RUMIS JR & EDITH J RUMIS	4-R12-23
BE	MARY M CORNEY (LIFE ESTATE)	4-R12-24
BF	LORI JEAN HENRY	4-R12-25
BG	LORI JEAN HENRY	4-R12-26
BH	LORI JEAN HENRY	4-R12-27
BI	HENRY'S SERVICE STATION LORI JEAN HENRY	4-R12-28.1
BJ	HENRY, LORI J C/O HENRY'S SERVICE STATION	4-R12-31
BK	KATHLEEN E & KEVIN J TAYLOR	4-R12-44
BL	JESSICA YBANEZ-MORANO	4-R12-45.11
BM	CARL BAROSSO & MARIE GIACOMAZZA	4-R12-45.19
BN	JOHN A TARR IV & SABRINA M TARR	4-R12-45.13
BO	JEFFREY AND ANGELA M TENNANT	4-R12-45.7
BP	DALE SMITH II & KAREN L SMITH	4-R12-45.10
BQ	MILTON E & JOAN S NUGENT	4-R12-45.6
BR	JAMES & ANNA BOUGHER	4-R12-45.5
BS	TINA L PHILLIPS & ELIZABETH A PADDEN	4-R12-45.8
BT	PHILLIP D HIGH	4-R12-45.3
BU	GILBERT ALLAN & LUCILLE ELIZABETH BROWN	4-R12-45.4
BV	G ALLAN & L E BROWN	4-R12-47
BW	ROBERT L AND PATRICIA J WEISS IRREVOCABLE TRUST	4-R12-46

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
BX	KERRIE WEISENBORN C/O STEPHEN R FOX	4-R12-45.15
BY	CHRISTOPHER & CHRISTINE TARR	4-R12-45.14
BZ	JONATHAN D LECHNER MD	4-R12-46.1
CA	MULL W QUAY II TRUST	4-R12-12
CB	MICHAEL S & SHEILA M LITTLE	4-R12-13
CC	HELLER, STEPHANIE	4-R12J-50
CD	KAMINSKI, RONALD A & LYNN M	4-R12J-45
CE	KARYL LEE DONALDSON	4-R12-16
CF	BURKHART, RALPH R. JR	4-R12-23.19
CG	BURKHART, RALPH R. JR	4-R12-23.17
CH	DAVID P. DEFRANCO AND KRISTY A. DEFRANCO	4-R12-23.3
CI	DUNCL, STEPHEN E & SHELLY D	4-R12-17
CJ	SMITH, SEAN P & KATIE M	4-R12E-23.29
CK	RELYKS LLC	4-R12-5
CL	BURKHART, MARY ANN	4-R12-4
CM	DAVID J. MILLER, JR. & MARY ANN BURKHART	4-R12-2
CN	SHACKELFORD, HOWARD L & B M	4-R11-35.2
CO	TUNNEL RIDGE LLC	4-R12-1.3
CP	TUNNEL RIDGE LLC	4-R11-34.3
CQ	TUNNEL RIDGE LLC	4-R11-34.12
CR	TUNNEL RIDGE LLC	4-R8-61.2
CS	SANDCREST FOUNDATION INC	4-R11-15
CT	TUNNEL RIDGE LLC	4-R8-61.1
CU	TUNNEL RIDGE LLC	4-R8-60.1
CV	TUNNEL RIDGE LLC	4-R8-74
CW	TUNNEL RIDGE LLC	4-R8-59
CX	TUNNEL RIDGE LLC	4-R8-22.1
CY	TUNNEL RIDGE LLC	4-R8-22
CZ	TUNNEL RIDGE LLC	4-R8-21.2
DA	TUNNEL RIDGE LLC	4-R8-27.7
DB	TUNNEL RIDGE LLC	4-R8-27.6
DC	TUNNEL RIDGE LLC	4-R8-15.4
DD	CHARLES M & M M MILLER	4-R8-15.3
DE	DCH	4-R8
DF	DEBRA S. SHEPHERD	4-R8-15.2
DG	LOUIS R HERCULEES ET AL	4-R8-7
DH	ALLIANCE RESOURCE GP LLC	4-R8-6
DI	THOMAS & JUDITH K TYLER	4-R8-8.6
DJ	SAM L PELLEN JR & AMY M PELLEN	4-R8-8.7
DK	SAM L PELLEN JR & AMY M PELLEN	4-R8-8
DL	HARRY J & ROSALIE E DAVIS	4-R8-9.1
DM	ARTHUR ENNIS & PEGGY CLARK	4-R8-9
DN	EUNICE MAE DAVIS	4-R8-9.3
DO	HAROLD & EUNICE MAE DAVIS	4-R8-9.2
DP	JOYCE ANN FARLEY	4-R8-10.1
DQ	JOYCE ANN FARLEY	4-R8-10.2
DR	BETTY L SNYDER C/O PAULA MCGEE	4-R8-10
DS	MARK D MATTHIAS	4-R8-11.1
DT	MARK D MATTHIAS	4-R8-11
DU	LANDRUM D & RHONDA J ROBBINS	4-R8-13.2
DV	RODNEY & A J SNYDER	4-R8-13
DW	RICKIE SNYDER	4-R8-14
DX	ALLIED WASTE INC	4-R5-56
DY	ALLIED WASTE INC	4-R5-56.2
DZ	ALLIED WASTE INC	4-R5-56.1
EA	BOARD OF COMM OHIO CO	4-R5-55
EB	LUTHER R SMITH II & D F SMITH	4-R8-16.1
EC	W. ERIC GADD AND LISA NUZUM GADD	4-R5-55.3
ED	DELBERT E & CAROL L HUFFMAN	4-R8-16.2
EE	SHORT CREEK METHODIST E CHURCH	4-R5-60
EF	DELBERT E & HUFFMAN JR	4-R8-18.4
EG	SHORT CREEK CEMETERY ASSOCIATION TRUSTEES	4-R5-57
EH	LUTHER R SMITH JR & ELEANOR L SMITH	4-R8-18.3
EI	JOHN E HARWATT	4-R8-18.2
EJ	LUTHER R SMITH JR & E L SMITH	4-R8-18.1
EK	LUTHER R SMITH JR & E L SMITH	4-R9-14.4
EL	LEWIS A PERRY JR & SHARON PERRY	4-R9-14.3
EM	JAMES W & TERESA L PERRY	4-R9-14.5
EN	WEIRTON NATIONAL BANK	4-R6-17.5
EO	RAYLE COAL COMPANY	4-R6-17.2
EP	KOTA, ROBERT C & PATRICIA L	4-R12-1.2
EQ	DAWSON, MARK & LAURA	4-R12-1.1

08/10/2018

REVISIONS:	 	
OPERATOR'S	RAYLE COAL	DATE: 05-17-2018
WELL #:	406H	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