

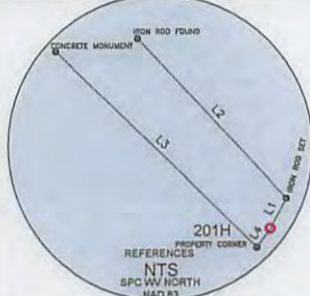
Latitude: 40°10'00" SURFACE HOLE 509'

Latitude: 40°12'30" BOTTOM HOLE 5063'

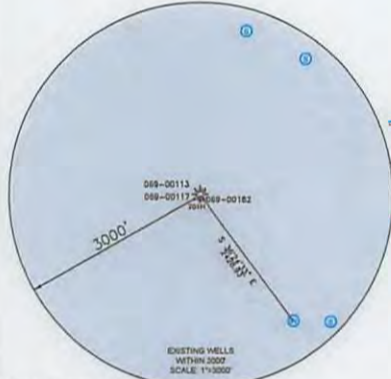
ELK LAKE SERVICES, LLC

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

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,445,734.92
EASTING: 531,779.22
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,445,868.78
EASTING: 531,117.79
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,448,263.11
EASTING: 530,381.13



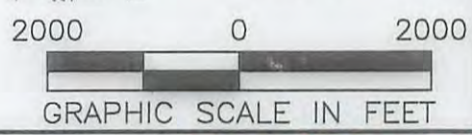
LINE	BEARING	DISTANCE
L1	S 28°22'17" W	358.95'
L2	N 42°45'07" W	2304.52'
L3	N 45°42'45" W	2962.53'
L4	S 35°32'11" W	244.69'



- 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 2429 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.
 3. 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.



(+) 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 OPERATOR'S WELL #: 201H API WELL #: 47 STATE 69 COUNTY PERMIT
	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"/>	WATERSHED: UPPER OHIO SOUTH DISTRICT: RICHLAND COUNTY: OHIO COUNTY SURFACE OWNER: RAYLE COAL COMPANY OIL & GAS ROYALTY OWNER: RAYLE COAL COMPANY
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"/> CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)	TARGET FORMATION: MARCELLUS	ESTIMATED DEPTH: 5,796' (VD 14,985' IMD)

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378	DESIGNATED AGENT: DEE SOUTHALL ADDRESS: P.O. BOX 1300 CITY: JANE LEW STATE: WV ZIP CODE: 26378
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LEGEND: * PROPOSED SURFACE HOLE / BOTTOM HOLE * EXISTING / PRODUCING WELLHEAD LPL * LANDING POINT LOCATION (W) EXISTING WATER WELL (S) EXISTING SPRING	— SURVEYED BOUNDARY - - - DRILLING UNIT - - - LEASE BOUNDARY — PROPOSED PATH	REVISIONS: DATE: 04-03-2018 FILE NO: 16-76 DRAWN BY: N. LASSAK SCALE: 1" = 2000' DRAWING NO: 1 WELL LOCATION PLAT 1
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ELK LAKE SERVICES, LLC

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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	61.53
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
2	RAYLE COAL COMPANY	4-R6-17	60.19
3	MARC AND KRISTEN SEAMON	4-R6-37	110.20
4	BOARD OF COMMISSIONERS OF OHIO COUNTY	4-R5-55	238.531
5	MARC SEAMON	4-R6-2	93.627
6	BOARD OF COMMISSIONERS OF OHIO COUNTY	4-R5-10	688.031
7	BRUCE D. BONAR & WILLIAM D. BONAR	3-B46-20	109.480
8	STACY ANN & PATRICIA ANN GREATHOUSE	3-B46-41	5.556
9	WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS	GIRTYS POINT ROAD	0.00

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	BARRY L. AND PATRICIA A. GREATHOUSE	3-B41-82	229.000
B	DANNY GENE & VIRGINIA BRITT	3-B46-27	106.530
C	TRACY GILBERT	3-B46-22-1	10.000
D	TRACY GILBERT	3-B46-23-1	0.085
E	DOUGLAS L. STEWART	3-B46-21	5.000
F	BUSTER T. & BARBARA A. BLAKE	3-B46-23	2.3024
G	MY THREE SONS HOLDINGS LP	3-B46-24	76.590
H	GARY & MARTHA HERCULES	4-R6-4	17.260
I	GARY & MARTHA HERCULES	4-R6-4-1	7.000
J	RAYLE COAL COMPANY	4-R6-17-3	61.530
K	WINDSOR COAL COMPANY	4-R6-12	115.906
L	WAYNE E. SHOOK	4-R6-15	32.800
M	GLADYS GOFF & WINDELL H. GOFF, II	4-R6-27-1	16.010
N	GLADYS GOFF & WINDELL H. GOFF, II	4-R6-24-3	15.423
O	STELLA M. BRYAN & KATHLEEN J. BRYAN	4-R6-17-1	1.000
P	WINDSOR COAL COMPANY	4-R6-25	1.000
Q	RICHARD A. WOOD, JR.	4-R6-24-6	12.153
R	EDITH M. WOOD	4-R6-22	4.176
S	LOUIS J., JR. & GRETCHEN L. ENNIS	4-R6-19-2	15.710
T	SEAN A. SISARCICK	4-R6-19	5.814
U	LUKE A. SISARCICK	4-R6-19-4	5.814
V	MARC SEAMON	4-R6-37-1	30.250
W	SHORT CREEK CEMETERY ASSOCIATION TRUSTEES	4-R5-57	1.610
X	SHORT CREEK METHODIST EPISCOPAL CHURCH	4-R5-60	6.500
Y	ROBERT L. & GWENDOLYN NOVAK	4-R5-59	0.486
Z	W. ERIC & LISA NUZUM GADD	4-R5-55-1	0.970
AA	W. ERIC & LISA NUZUM GADD	4-R5-55-3	0.980
BB	DELBERT E. & CAROL L. HUFFMAN	4-R8-16-2	1.310
CC	LUTHER R. II & D F. SMITH	4-R8-16-1	0.720
DD	AMERICAN DISPOSAL SERVICES OF WEST VIRGINIA	4-R8-15	334.522
EE	ALLIED WASTE INC.	4-R5-56-1	1.250
FF	ALLIED WASTE INC.	4-R5-56	9.000
GG	WINDSOR POWER COAL COMPANY	4-R8-8-1	59.129
HH	BOARD OF COMMISSIONERS OF OHIO COUNTY	4-R5-10	21.609
II	BRYAN K. & LAURA L. PETTIT	4-R5-55-4	1.560
JJ	EDWARD W. & JOANNE DREMAK	4-R5-49	87.575
KK	RAY W. ARCHER	4-R5-58	0.194
LL	RICHARD L. & DEBORAH K. BLACK	4-R5-58-1	0.175
MM	WINDSOR COAL COMPANY	4-R5-50	20.889
NN	JOHN W. METZ	4-R5-46	22.630
OO	BURNT MILLS ACRES, LLC	4-R5-13	20.007
PP	S E W TRUST C/O SHANE E. WOLOSHAN	4-R5-9	220.947
QQ	RODNEY K. & NEDRA C. MCCONNELL	4-R2-20	58.020
RR	HENRY W. & JUDITH K. ZEIDLER	3-B46-15	66.010
SS	BARRY L. & PATRICIA A. GREATHOUSE	3-B46-18	20.520
TT	BARRY L. & PATRICIA A. GREATHOUSE	3-B41-32	57.280
UU	BARRY L. & PATRICIA A. GREATHOUSE	3-B41-83	83.410
VV	BARRY L. & PATRICIA A. GREATHOUSE	3-B46-19	7.140
WW	WEIRTON NATIONAL BANK	4-R6-17-5	1.339
XX	RAYLE COAL COMPANY	4-R6-17-2	1.583

NOTES ON SURVEY

1. SURFACE AND ROYALTY OWNERS IDENTIFICATION FROM DEEDS AND/OR 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 DESIGNATED.

LEGEND:

PROPOSED SURFACE HOLE / PRODUCE WELLS
 PROPOSED ACCESS ROAD TO PREV. SITE
 PROPOSED PATH
 LEASE BOUNDARY

04/20/2018

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	OPERATOR'S RAYLE COAL OHI	DATE: 04-03-2018
ADDRESS: P.O. BOX 1300 JANE LEW. WV 26378	WELL #: 201H E COAL OHI	FILE NO: 16-76
SURFACE OWNER: RAYLE COAL COMPANY	DISTRICT: RICHLAND	DRAWN BY: N. TASSAK
	COUNTY: OHIO COUNTY	SCALE: N/A
	STATE: WV	DRAWING NO: 1
	DISTRICT: RICHLAND	WELL LOCATION PLAT 1