

Latitude: 40°10'00"

SURFACE HOLE 8283'

ELK LAKE SERVICES, LLC

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

Latitude: 40°10'00"

BOTTOM HOLE 648'

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,442,633.70
EASTING: 532,973.70
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,442,666.63
EASTING: 532,589.81
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,445,610.22
EASTING: 531,737.40



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

BHL
Longitude: 80°37'30" BOTTOM HOLE 2338'

Longitude: 80°35'00" SURFACE HOLE 12124'



LINE/BEARING	DISTANCE
L1 S 89°14'46" W	200.44
L2 S 20°02'23" W	307.59
L3 S 86°49'10" W	1030.00
L4 S 83°15'07" W	1556.76



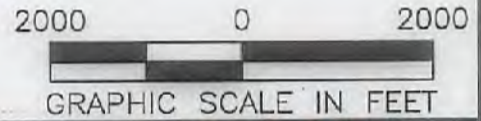
WELL RESTRICTIONS

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 2,617 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 HEREDON 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 HEREDON.
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 #:	DALLAS HALL OHI 1H
API WELL #:	47 69 00281
	STATE COUNTY PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1274.7' - STAKED

DISTRICT: LIBERTY COUNTY: OHIO COUNTY QUADRANGLE: BETHANY/TILTONSVILLE

SURFACE OWNER: HALL, AGNES L ACREAGE: ±162.58

OIL & GAS ROYALTY OWNER: HALL, AGNES L ACREAGE: ±162.58

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: 6,129' TO 16,706' 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:	REVISIONS:	DATE: 05-03-2018
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	— SURVEYED BOUNDARY	FILE NO: 17-033
★ EXISTING / PRODUCING WELLHEAD	— DRILLING UNIT	DRAWN BY: N. LASSAK
LPL ★ LANDING POINT LOCATION	— LEASE BOUNDARY	SCALE: 1" = 2000'
⊙ EXISTING WATER WELL	— PROPOSED PATH	DRAWING NO: 1
⊙ EXISTING SPRING		WELL LOCATION PLAT 1



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 / ROYALTY OWNER	TAX PARCEL
1	HALL, AGNES L	3-L7-19
2	HALL, AGNES L	3-L7-21.1
3	PYLE, JOHN R SR AND THERESA A	4-R12B-1.1
4	ERNEST, DOUGLAS J & JAMIE S	4-R12B-1.2
5	PYLE, JOHN R & THERESA A	4-R12B-5
6	WEEKS, BRADLEY & NANCY	4-R9-34.1
7	LAURELWOOD HOMEOWNERS ASSN INC	4-R9-33
8	HUGHES, DONALD P AND MARY E	4-R9-34
9	HUGHES, DONALD P & MARY E	4-R9-32
10	KANTERS, ROBERT P W AND MARGARETHA J E	4-R9-36
11	MADAMA, DENNIS	4-R9-37
12	BLAKE, EDDIE L AND JAMIE R	4-R9-38
13	BLEIFUS, BRIAN A AND MARY ANN	4-R9-39
14	CHENOWETH, JOYCE A	4-R9-40
15	LATOS, GARY S & CATHLEEN M	4-R9-41
16	PAJAK, CLARK & SHARON L	4-R9-32.1
17	PAJAK, CLARK & SHARON L	4-R9-28
18	BROWN, LILLIAN W TRUST	3-L4-1.1
19	CAVENY, CLAIRE M	4-R9-3
20	SWIGER, MARK J & DAWN S	4-R9-22.14
21	KELLAM, CHARLES R & PHYLLIS J	4-R9-22.12
22	KELLAM, CHARLES R & PHYLLIS J	4-R9-22.11
23	HALEY, RODNEY W & RHONDA L	4-R9-22.8
24	WEST, SR JAMES L AND KATHY L	4-R9-22.7
25	DELVECCHIO, DAVID A	4-R9-22.6
26	CRUPE, TERRY LEE	4-R6-21
27	CRABTREE, RANDALL LEE	4-R6-24
28	WOOD, RICHARD A JR	4-R6-24.6

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	RAYLE COAL COMPANY	4-R6-17.4
B	WINDSOR COAL COMPANY	4-R6-25
C	GOFF, WINDELL & GLADYS	4-R6-24.3
D	HUNT, LESLIE A	4-R6-29
E	CRUPE, JOHN D & J D	4-R6-38
F	GALLOWAY, BRANDON C & CYNTHIA A	4-R6-39.2
G	GALLOWAY, BRADON C & CYNTHIA A	4-R6-39.1
H	KLAPKA, JOSHUA M	4-R9-19
I	TAGGART, VELMA L	4-R9-18
J	BOYNES, LARRY & TERRY	4-R9-22.9
K	TAYLOR, JEFFREY C & G K	4-R9-20
L	TAYLOR, JEFFREY C & GINGER K	4-R9-22.18
M	RATCLIFFE, JOHN C & KATHY J	4-R9-22.17
N	WOOD, GEORGE E & CAROL A	4-R9-22.16
O	SWIGER, MARK J & DAWN S	4-R9-22.15
P	RATCLIFFE, JOHN C	4-R9-22.20
Q	MCKAY, PAUL M & DEBORAH A	4-R9-51
R	MCKAY, PAUL M & DEBORAH A	3-L4-1
S	BLAKE, REBECCA L	3-L4-1.7
T	MCKAY, PAUL M & DEBORAH A	3-L4-10.1
U	MCKAY, PAUL M & DEBORAH A	3-L4-10
V	ROSE, JAMES F & ANN C	3-L4-12
W	ROSE, JAMES F AND ANN C	3-L4-14
X	WEAVER, DAVID M & BETH R	3-L4-13
Y	WEAVER, DAVID M & BETH R	3-L4-15
Z	OPIC CRYSTAL	3-L4-20
AA	RUTHERS, DAVID G & LINDA F	3-L4-22
AB	STROMATOS, GEORGE	3-L4-24.2
AC	STROMATOS, GEORGE	3-L4-24.1
AD	STROMATOS, GEORGE	3-L4-24
AE	BLEND, ERIC N	4-R12B-2
AF	FRID, JAMES W & KAREN L	4-R9-47
AG	HICKEY, BRIAN P, HICKEY, JOHN P	4-R9-46
AH	SONNEFELD, DAVID W & TERRI A	4-R9-45
AI	SONNEFELD, DAVID W & TERRI A	4-R9-44
AJ	BECK, ROBERT	4-R9-43
AK	PISSOS, MARK E & J L	4-R9-42
AL	WILLIAMS, JOHN WAYNE	4-R9-35
AM	TAYLOR, DAVID L & ESTELLA ANN	4-R12B-1.7
AN	TAYLOR, DAVID L & ESTELLA ANN	4-R12B-4
AO	KOZUSNIK, MARK A	4-R12B-1.8
AP	HASTINGS, MARY ANN	4-R12B-1.4
AQ	JARVIS, WILLIAM R & SANDRA K	4-R12B-6
AR	KELLAS, STEVE	4-R12B-1.5
AS	GOSSETT, MATHEW H	4-R12B-1
AT	EVANS, CATHERINE & DAVID	3-L4-13.1
AU	CLUSER, MARY HELEN; TR	3-L7-20
AV	JONES, JAMES R & JUNE M	3-L7-18
AW	WHTAKER GEORGE & ANITA	3-L7-27
AX	HALL, DALLAS J & AGNES L	3-L7-20
AY	HALL, DALLAS J & AGNES L	3-L7-21
AZ	MEALY, MELISSA	4-R12-39
BA	WELTY, JOHN P	4-R12-35
BB	CASTLE, KEITH D	4-R12B-1.3
BC	CARTISANO, JOSEPH S & S P	4-R12-36.4
BD	PETTIE, BERNARD R	4-R12-48
BE	BURKHART, MARY J G & M J	4-R12-36.3
BF	CROFT, JAMES E & J J	4-R12-36
BG	CROFT, JAMES & JOANNE	4-R12B-1
BH	GREATHOUSE, WILLIAM J & SUSAN M	4-R12B-1.7
BI	HARTLEY, BRADFORD & NANNETTA	4-R9-1.3
BJ	HART, MARY ANN	4-R9-29.1
BK	FUNKHOUSER, DAWNA M	4-R9-32.3
BL	SHILLING, KATHY SUE H	4-R9-32.4
BM	HUFFMAN, VICKI H & D L	4-R9-32.2
BN	BENLINE, JOSEPH WAYNE	4-R9-31
BO	MILLER, JEFFREY L & CATHY	4-R9-30
BP	JOHNSON, JUDY K	4-R9-29
BQ	RCK 2 GROUP LLC	4-R9-1
BR	RCK 2 GROUP LLC	4-R9-27
BS	EVANS, LA DONNA MARTIN	4-R9-3.5
BT	WESBANCO TRUST & INVESTMENT SERVICE	4-R9-16.1
BU	MAIN, DAVID B & L M	4-R9-10
BV	MAIN, DAVID B & L M	4-R9-10.1
BX	KELLAM, CHARLES R & PHYLLIS J	4-R9-22.1
BY	MILTON, JASON D	4-R9-22.5
BZ	CRUPE, TERRY LEE	4-R6-21
CA	GODDARD, GWENDOLYN	4-R6-24.5
CB	WOOD, EDITH M	4-R6-22
CC	BROWN, ROBERT E	3-L4-1.3
CD	HALL, DALLAS J & AGNES L	3-L7-1

08/03/2018

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DALLAS HALL	DATE: 05-03-2018
	WELL #:	1H	FILE NO: 17-033
	DISTRICT:	LIBERTY	DRAWN BY: N. LASSAK
	COUNTY:	OHIO COUNTY	SCALE: N/A
	STATE:	WV	DRAWING NO: 1
			WELL LOCATION PLAT 1