

Latitude: 40°10'00"

SURFACE HOLE 8286'

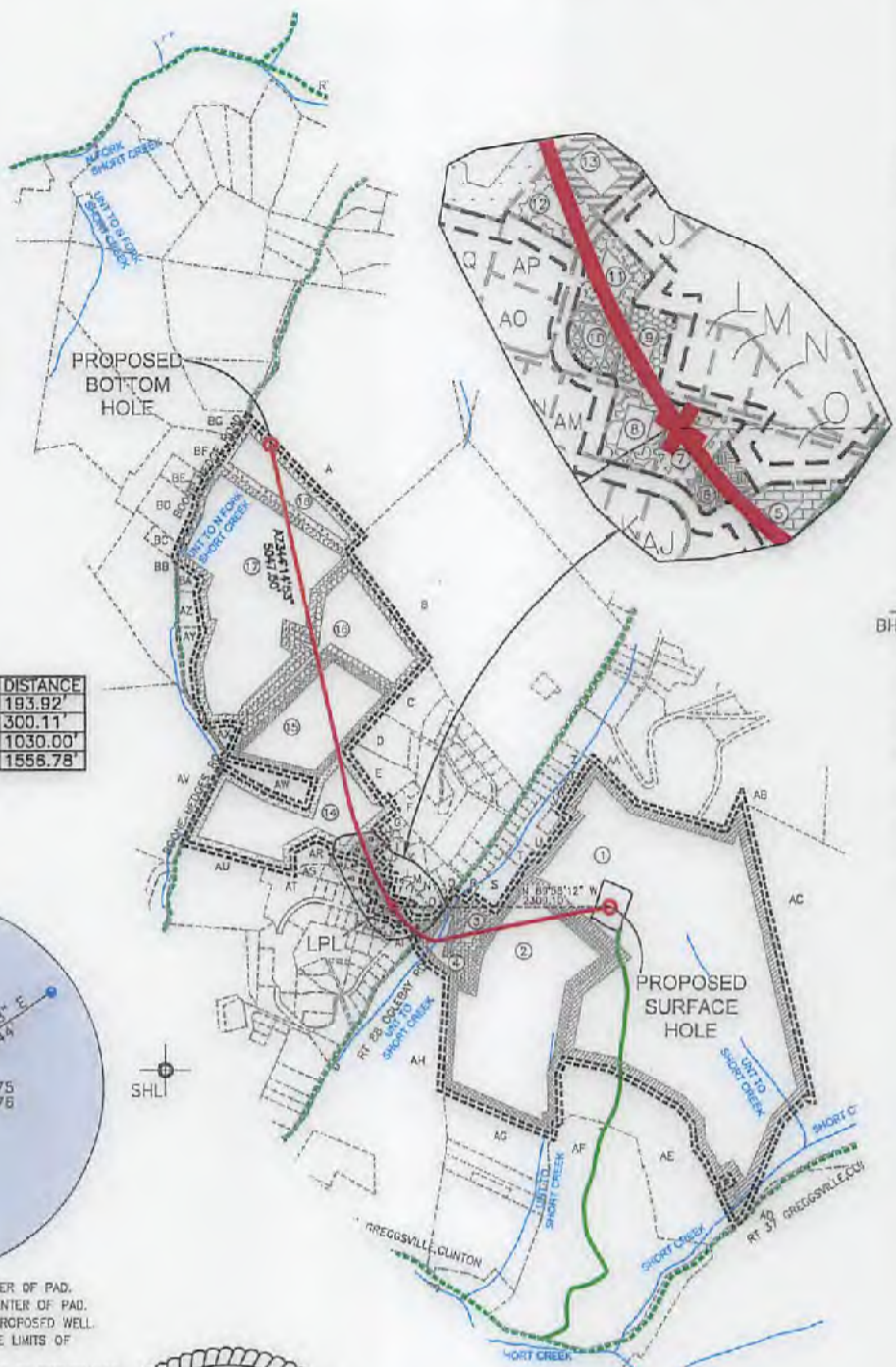
Latitude: 40°10'00" BOTTOM HOLE 295'

ELK LAKE SERVICES, LLC

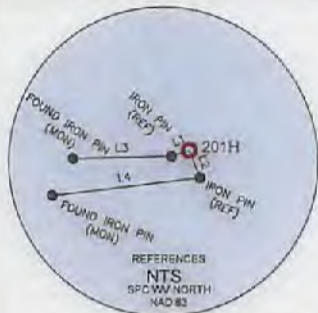
280 Indian Springs Road,
Suite 123 Indiana, PA 15701
Phone: (724) 463-7303

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,442,630.84
EASTING: 532,972.66
LANDING POINT (LPL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,442,619.42
EASTING: 532,269.19
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,444,100.13
EASTING: 531,851.54

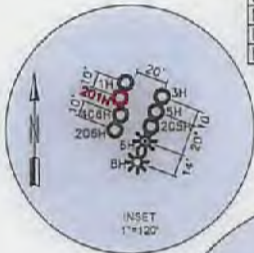
GRID NORTH
UTM - NAD83 DATUM, ZONE 17, US FT



BOTTOM HOLE 7295'
SURFACE HOLE 12134'
Longitude: 80°37'30"
Longitude: 80°35'00"



LINE	BEARING	DISTANCE
L1	S 71°27'14" W	193.92'
L2	S 21°17'35" E	300.11'
L3	S 88°49'10" W	1030.00'
L4	S 83°15'07" W	1556.78'



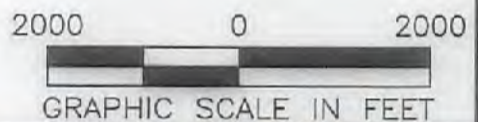
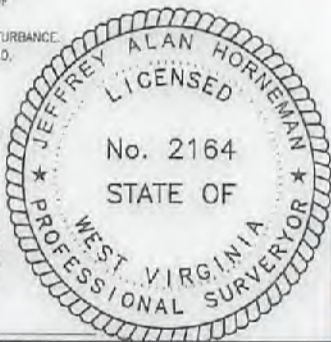
WELL RESTRICTIONS

- 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 2,625 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.

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

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 201H

API WELL #: 47 STATE 69 COUNTY PERMIT 00213

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: 6,106' IVD 11,922' IVD

08/03/2018

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:	<ul style="list-style-type: none"> ○ PROPOSED SURFACE HOLE / BOTTOM HOLE ★ EXISTING / PRODUCING WELLHEAD LPL★ LANDING POINT LOCATION ⊙ EXISTING WATER WELL ⊕ EXISTING SPRING — SURVEYED BOUNDARY — DRILLING UNIT — LEASE BOUNDARY — PROPOSED PATH 	REVISIONS:	DATE: 05-23-2018 FILE NO: 17-033 DRAWN BY: N. LASSAK SCALE: 1" = 2000' DRAWING NO: 1 WELL LOCATION PLAT 1
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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	CASTLE, KEITH D & AMANDA M	4-R12B-1.9
4	CASTE, RITA A	4-R12B-1.3
5	WINE, MATTHEW M	4-R12-19.19
6	SHORT, LUKE A & KUCERA-SHORT, JENNIFER L	4-R12-19.20
7	BOORD, SUSAN K	4-R12-19.23
8	KNIGHT, JEFFREY M & KRISTEN M	4-R12-19.26
9	STERN, VIRGINIA S	4-R12B-10.8
10	STERN, VIRGINIA S	4-R12B-10.9
11	HOWARD, ANDREW	4-R12B-10.10
12	RICKETTS, GAVIN O	4-R12B-10.3
13	FICCA, RONALD J & CHAMBERS JENNIFER L	4-R12B-10.4
14	HARTLEY, BRADFORD & NANNETTA	4-R9-1.3
15	RCK 2 GROUP, LLC	4-R9-1
16	RCK 2 GROUP, LLC	4-R9-27
17	EVANS, STACY D	4-R9-3.5
18	WESBANCO TRUST & INVESTMENT SERVICES, A DIVISION OF WESBANCO BANK, INC., TRUSTEE OF THE MARY JACQUELINE CARENBAUER TRUST UNDER AGREEMENT DATED NOVEMBER 13, 2003	4-R9-16.1

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	CAVENEY, CLAIRE M	4-R9-3
B	BROWN, LILLIAN W TRUST	3-L4-1.1
C	PAJAK, CLARK & SHARON L	4-R9-28.0
D	JOHNSON, JUDY K	4-R9-29
E	HART, MARY ANN	4-R9-29.1
F	HUGHES, DONALD P & M E	4-R9-32.0
G	GREATHOUSE, WILLIAM J & SUSAN M	4-R9-10.7
H	CLAWSON, JOSEPH R & KAY L	4-R12B-10.13
I	CROFT, JAMES & JOANNE	4-R12B-10.12
J	CROFT, JAMES & JOANNE	4-R12B-10.11
K	CROFT, JAMES & JOANNE	4-R12-36.0
L	STERN, VIRGINIA S	4-R12B-10.1
M	STONEKING, JAMES B & B J	4-R12B-10.5
N	HOTLOSZ, FRANK A & C L B	4-R12B-10.6
O	KUCERA-SHORT, JENNIFER L	4-R12-19.17
P	CAMDEN, KEELY D	4-R12-36.5
Q	CARTISANO, JOSEPH S & S P	4-R12-36.4
R	ERNEST, DOUGLAS J & JAMIE S	4-R12B-1.2
S	PLYE, JOHN R SR & T A	4-R12B-1.1
T	KELLAS, STEVE	4-R12B-1.5
U	GOSSETT, MATHEW H	4-R12B-1.0
V	STROMATOS, GEORGE	3-L4-24.0
W	STROMATOS, GEORGE	3-L4-24.1
X	STROMATOS, GEORGE	3-L4-24.2
Y	RUTHERS, DAVID G & LINDA F	3-L4-22.0
Z	OPIC CRYSTAL	3-L4-20
AA	WEAVER, DAVID M & BETH R	3-L4-15.0
AB	EVANS, CATHERINE & DAVID	3-L4-13.1
AC	CLUSER, MARY HELEN; TR	3-L7-2.0
AD	WHITAKER, GEORGE & ANITA	3-L7-27.0
AE	HALL, DALLAS J & AGNES L	3-L7-20.0
AF	HALL, DALLAS J & AGNES L	3-L7-21.0
AG	MELISSA, MEALY	4-R12-39.0
AH	WELLY, JOHN P	4-R12-35.0
AI	FEDORKA, DELORES M TRUST OF 1993	4-R12-18.0
AJ	GEORGE, THOMAS E & K A	4-R12-19.15
AK	EDMON, DENA M	4-R12-19.18
AL	GRUBER, ALEX J	4-R12-19.40
AM	BAKATIS, BRIAN S	4-R12-19.24
AN	MOORE, MITCHELL J & SANDRA	4-R12-19.28
AO	JAMES, RALPH I & CLARA L	4-R12B-10.14
AP	RODRIGUEZ, EUSEBIO ELVESTROM	4-R12B-10.2
AQ	HARTLEY, BRADFORD & NANNETTA	4-R9-1.4
AR	HARTLEY, BRADFORD & NANNETTA	4-R9-1.2
AS	HARTLEY, BRADFORD & NANNETTA	4-R9-1.6
AT	COTTRELL, DOMINIC J & SHERRIE D	4-R12-19.34
AU	COTTRELL, DOMINIC J & SHERRIE D	4-R12-19.30
AV	TUNNEL RIDGE LLC & C/O PROPERTY TAX	4-R9-81.4
AW	REUTHER WILLIAM H & C L	4-R9-2.0
AX	KENNEDY, BETH ANNE	4-R9-3.4
AY	KNIGHT, WILLIAM ISAAC & SERTICH, MEREDITH	4-R9-3.7
AZ	HOPKINS, LEWIS R JR & R F	4-R9-3.3
BA	HOPKINS, LEWIS R JR & R	4-R9-4.0
BB	HOPKINS, L R JR & R F DELATORE	4-R9-5.0
BC	HOPKINS, LEWIS R JR & ROSEANN	4-R9-6.0
BD	MONROE, JEWELL A AND RODNEY L	4-R9-5.2
BE	KETTLER, MARK W & D L	4-R9-7.0
BF	KLAMUT, NICHOLAS P	4-R9-12.0
BG	WEBER, JORDAN & GAYLE	4-R9-10.0

08/03/2018

REVISIONS:	COMPANY:	 	
	OPERATOR'S	DALLAS HALL	DATE: 05-23-2018
	WELL #:	201H	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