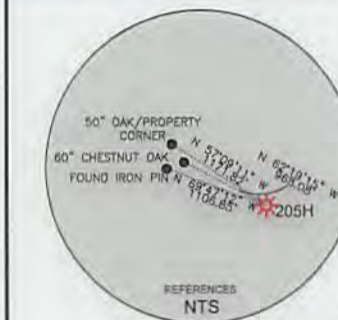


ELK LAKE SERVICES, LLC

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

SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,436,650.18
EASTING: 534,271.78	
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,437,116.85
EASTING: 534,606.89	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,439,346.76
EASTING: 533,622.59	
SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,436,650.15
EASTING: 534,271.74	
LANDING POINT (LPL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,437,044.11
EASTING: 534,632.26	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	NORTHING: 4,439,347.94
EASTING: 533,614.44	



- 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 531 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 SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)

COMPANY: **SWN** Production Company, LLC

OCC A OHI
OPERATOR'S WELL #: 205H
API WELL #: 47 STATE 069 COUNTY 00241 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1095.9'

DISTRICT: LIBERTY COUNTY: OHIO COUNTY QUADRANGLE: VALLEY GROVE

SURFACE OWNER: BOARD OF COMMISSIONERS OF OHIO COUNTY ACREAGE: ±262.850

OIL & GAS ROYALTY OWNER: BOARD OF COMMISSIONERS OF OHIO COUNTY ACREAGE: ±262.850

DRILL DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION

CONVERT PLUG & ABANDON CLEAN OUT & REPLUG OTHER CHANGE (SPECIFY) AS-DRILLED

TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,241' TVD 15,070' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC ADDRESS: 1300 FORT PIERPONT DR STE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

DESIGNATED AGENT: BRITTANY WOODY ADDRESS: 1300 FORT PIERPONT DR STE 201 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508

LEGEND:

	PROPOSED SURFACE HOLE / BOTTOM HOLE		SURVEYED BOUNDARY
	EXISTING / PRODUCING WELLHEAD		DRILLING UNIT
LPL	LANDING POINT LOCATION		LEASE BOUNDARY
	EXISTING WATER WELL		EXISTING PATH
	EXISTING SPRING		PROPOSED PATH

REVISIONS:

DATE: 01-22-2019
FILE NO: 16-78
DRAWN BY: JMB
SCALE: 1" = 2000'
DRAWING NO: 1
WELL LOCATION PLAT 1

Latitude: 40°05'00" SURFACE HOLE 4114'
Latitude: 40°07'30" BOTTOM HOLE 6203'

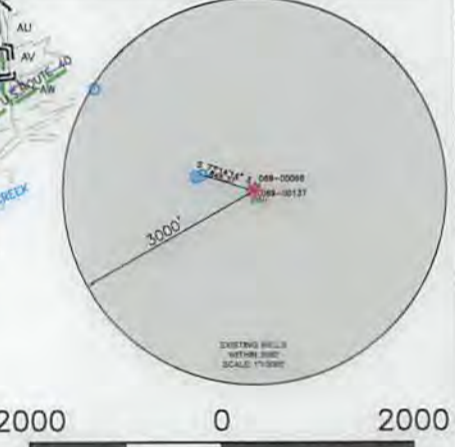
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT



ADJOINING OWNERS TABLE

TRACT	SURFACE OWNER / ROYALTY OWNER	TAX PARCEL	ACRES
1	BOARD OF COMMISSIONERS OF OHIO COUNTY (S/R)	3-113-3	262.850
2	BOARD OF COMMISSIONERS OF OHIO COUNTY	3-113-3-1	227.648
3	THOMAS R. AND SUE D. JARABALA HIS WIFE	3-110-25	98.6780
4	JEAN P. AND L.P. (S/SH)	3-110-27	50.885
5	CURTIS R. AND CAROLINE B. (S/SH) HUSBAND & WIFE	3-110-27-3	25.000
6	CAROLINE LOUISIANA (S/SH)	3-110-27-1	10.000

TRACT	TERRACE OWNER	TAX PARCEL	ACRES
A	TIMMY R. & AMY LYNN MINCH	6-13-5	161.800
B	CARL J. SHELLER	3-113-24	2.198
C	TIMMY R. & AMY LYNN MINCH	3-113-2	20.203
D	NATHAN CHARLES GORDON	3-113-2-1	1.245
E	JEFFREY R. BENNETT	3-113-2-2	1.568
F	PHILIP D. & ANNA C. MAXWELL	3-113-3	206.000
G	PHILIP D. & ANNA C. MAXWELL	3-113-1-2	25.698
H	OHIO COUNTY COMMISSION (CEMETERY)	3-110-23-3	8.000
I	BOBBIET & BRIDGET WEIR	3-110-23-1	5.580
J	ROBERT R. LUCHETTI	3-110-23	162.724
K	GLENN L. & R. S. WALTERS	3-110-28	39.880
L	J. A. & D. A. KOOFF	3-110-29	30.000
M	MICHAEL A. KURTZ & K. A. PARSONS	3-110-35-3	33.7511
N	MICHAEL R. & K. A. PARSONS	3-110-37-2	0.135
O	BRUCE A. & BRENDA J. PARSONS	3-110-35	54.258
P	CHARLES & FLORA DITRICH	3-110-38	2.850
Q	HARRY F., JR. & K. A. METZ	3-110-48	2.850
R	JOYCE E. KEMPEL	3-110-36-7	2.081
S	CLARENCE A. & MILDRED L. WOOD	3-110-36-7	0.510
T	MICHELLE L. HORNBARK	3-110-36-7	2.218
U	MICHELLE L. HORNBARK	3-110-36-1	2.218
V	DAVID A. & FLORENCE D. BLOWERS	3-110-36-6	20.040
W	WALTER D. & D. A. BARTOLDVICH	3-110-26-2	12.130
X	ERIC M. & JODY L. WADE	3-110-26-9	5.320
Y	HERMAN & MARTHA K. KRUPINSKI	3-110-26-5	1.162
Z	EMILY E. SCHULTZ	3-110-28-4	1.135
AA	MICHAEL A. KURTZ & ZELMA E. WALL	3-110-38-3	0.922
AB	DAVID H. & DOROTHY L. NEWLAND	3-110-28-1	1.000
AC	LANCE H., JR. & SHERRAN C. MILLER	3-110-38	19.990
AD	RONALD W. HOULCHINS	3-113-36-3	20.000
AE	RONALD W. HOULCHINS	3-113-4-3	15.053
AF	RICHARD CLARK STEELE JR & ALEXANDRA MELBA PUGSARICH	3-113-4	1.058
AG	JOANN VANDERGRIFT	3-113-4-2	1.074
AH	JOANN VANDERGRIFT	3-113-4-1	1.485
AI	DAVID W. STEVENSON ETAL	3-113-9	1.360
AJ	JAMES ALAN STEVENSON	3-113-9-4	4.777
AK	KIMBERLY STEVENSON	3-113-6-1	0.804
AL	TYSON L. LOWEHOGE	3-113-6	0.548
AM	TYSON L. LOWEHOGE	3-113-6-4	0.215
AN	JAMES L. III & CHRISTINE WHEELER	3-113-6-2	0.298
AO	JOLLY W. WHEELER	3-113-12-3	0.968
AP	STEVEN SHEARER	3-113-12-1	0.824
AQ	JAMES C. & D. L. KNIGHT	3-113-13	5.000
AR	GARY L. & MARY C. DEMERSKI	3-113-14	0.581
AS	KATH E. & C. J. BARON	3-113-15	0.383
AT	HARRY E. & CHERYL L. HOLMAN	6-13-11	1.140
AU	HARRY E. & CHERYL L. HOLMAN	6-13-13	3.580
AV	GERALD T. & ANN MOORE	6-13-14	2.480
AW	GERALD T. & ANN MOORE	6-13-14-1	5.242
AX	OHIO COUNTY COMMISSION	6-13-28	5.168
AY	JES INVESTMENTS LLC	6-13-18	3.038
AZ	MELDIT GARRISON	6-13-33	23.500
BA	JANE K. KUHENS	6-13-54	0.304
BB	SUPERIOR INDUSTRIAL LAUNDRIES	6-130-38	1.080
BC	PAULA C. & DRON E. STEPHAN	6-130-25	3.306
BD	HAROLD B. & D. J. MOORE	6-130-24	0.380
BE	ROBERT E. & LYON M. CLARK	6-130-33	0.200
BF	MARVIN H. & A. L. SWAN	6-130-22	0.200
BG	PHIL LLC	6-130-21	0.450
BH	TAMMY M. HAMMONS	6-130-20	0.360
BI	EDDIE L. & TRACEY L. MCDANIELS	6-130-18	0.720
BJ	JUSTIN S. MARSH & ASHLEY L. FONNER	6-130-18-1	0.260
BK	HOLLY M. FLACK	6-130-18	0.223
BL	JOSEPH A. MCKENNER, II	6-130-17	0.550
BM	VALLEY COB MACHINE COMPANY, LLC	6-130-16	1.113
BN	BOARD OF COMMISSIONERS OF OHIO COUNTY	6-130-13	0.1128
BO	KENNETH L. NELSON	6-130-10	0.246
BP	JOHN A. AND C. M. HUNTER	6-130-11-1	0.920
BQ	JOHN A. AND C. M. HUNTER	6-130-11	0.665
BR	JOHN A. AND C. M. HUNTER	6-130-12	0.333
BS	RANDY & BRENDA HANING	6-13-5-2	4.548
BT	RANDY DALE & BRENDA JOYCE HANING	6-13-5-1	0.217
BU	BOARD OF COMMISSIONERS OF OHIO COUNTY	6-13-10	1.800
BV	BARBARA A. SHORES	6-13-9	1.100
BW	JAMES B. AND DARLA J. HUGHES	6-13-8	0.340
BX	TRACY E. & JOHN F. KETRON	6-13-7	0.230
BY	ALFRED DEER	6-13-6	1.100
BZ	VILLAGE OF VALLEY GROVE	6-130-27	0.030



GRAPHIC SCALE IN FEET