

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: 4,435,789.55
EASTING: 531,965.43

LANDING POINT (LPL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,434,433.48
EASTING: 532,774.26

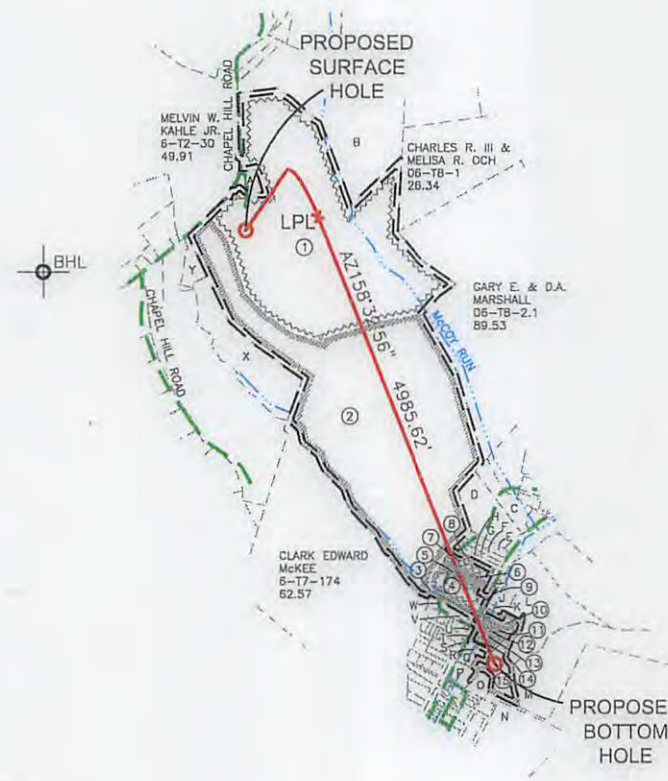
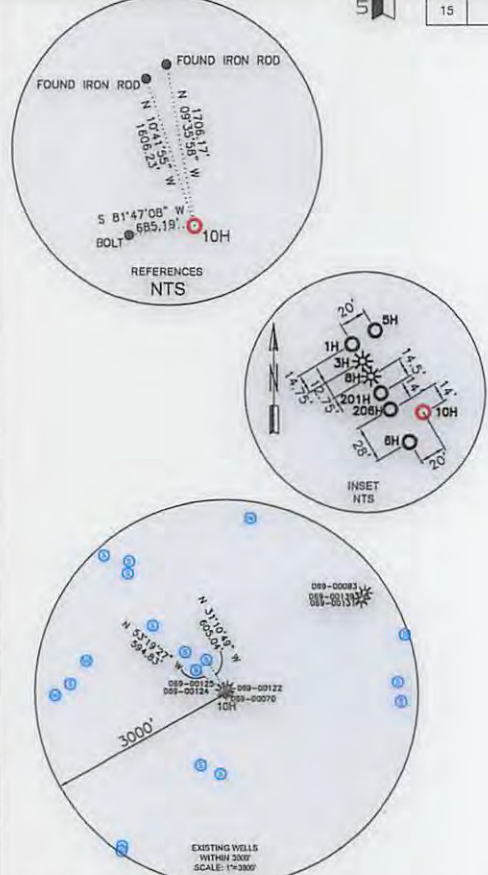
BOTTOM HOLE LOCATION (BHL):

UTM (NAD83, ZONE 17, METERS):
NORTHING: 4,434,433.48
EASTING: 532,774.26

GRID NORTH
UTM, NAD83 DATUM, ZONE 17, 5 FT

TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL	ACRES
1	MELVIN W. KAHLE JR. AND CAROL M. KAHLE	06-17-170	84.99
2	MARY ANGELA DICKEY	06-17-171	99.95
3	KEVIN S. KOSEM AND BRENDA A. KOSEM	7-TW8-1	1.0
4	KEVIN S. KOSEM AND BRENDA A. KOSEM	7-TW7-11	2.374
5	KEVIN S. KOSEM AND BRENDA A. KOSEM VIRGINIA H. OBERLE (R)	7-TW7-10	0.55
6	EDWARD P. LAUFFER AND JEAN C. LAUFFER (LE)	7-TW7-9	0.5544
7	KEVIN S. KOSEM AND BRENDA A. KOSEM	7-TW7-8	1.0904
8	DENNIS L. COOK SR.	7-TW7-7	0.5073
9	JAMES A. PARSONS AND CAROL L. PARSONS	7-TW8-39	0.484
10	JAMES A. PARSONS AND CAROL L. PARSONS	7-TW8-42.2	1.39
11	JAMES A. PARSONS AND CAROL L. PARSONS	7-TW8-42	0.1381
12	RICHARD F. HAUGHT AND SHERRY A. HAUGHT	7-TW8-42.1	0.608
13	TINA L. HOLMAN	7-TW8-42.3	0.498
14	FREDERICK J. CHIPKAR	7-TW8-43	0.53
15	CHRISTOPHER PAGANO AND ALYCE F. PAGANO	6-T8-62	3.648

TRACT	SURFACE OWNER	TAX PARCEL	ACRES
A	MELVIN W. & CAROL M. KAHLE JR.	6-17-170.2	1.14
B	MELVIN W. KAHLE JR.	6-12-36	28.47
C	CHAS M. SLEDD COMPANY	7-TW7-1	2.95
D	CHAS M. SLEDD COMPANY	7-TW7-2	5.84
E	NAGLE FAMILY IRREVOCABLE TRUST	6-TW7-3	0.97
F	OHIO COUNTY PUBLIC SERV DIST	7-TW7-4.1	0.18
G	OHIO COUNTY PUBLIC SERV DIST	7-TW7-5	0.46
H	OHIO COUNTY PUBLIC SERV DIST	7-TW7-6	0.58
I	CAROL L. PARSONS	7-TW7-14	0.17
J	CAROL L. PARSONS	7-TW8-41.1	0.96
K	JAMES A. & CAROL L. PARSONS	7-TW8-41	0.2
L	MARCIA KIRKLAND	6-T8-41.1	12.89
M	OHIO COUNTY COMMISSION	6-T8-40	98.02
N	THOMAS J. HOWARD	6-T8-42	11.34
O	JULIUS L. & REGINA R. DEMASI	6-T8-52.1	11.0
P	CHARLES L. & S.F. SCHRAMM	7-TW8-45	0.95
Q	JAMES A. & CAROL L. PARSONS	7-TW8-45	0.54
R	ROBERT L. HOFFMAN JR.	7-TW8-44	0.31
S	ROBERT L. HOFFMAN JR.	7-TW8-38.1	0.07
T	FREDERICK J. CHIPKAR	7-TW8-40	0.13
U	TINA L. HOLMAN	7-TW8-100	0.11
V	EDWARD B. & BARBARA M. HARTLIEB	7-TW8-2	0.48
W	EDWARD B. HARTLIEB	7-TW8-2.1	0.54
X	CONNIE DAVIS	6-T7-172.16	11.37
Y	ROBERT T. & TAMMY L. SELAK	6-T7-172.13	1.27



- 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 595 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.



COMPANY: **SWN** Production Company, LLC

(+) 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)

OPERATOR'S WELL #: MELVIN KAHLE OHI 10H

API WELL #: 47 STATE 69 COUNTY 00229 PERMIT

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

WATERSHED: UPPER OHIO SOUTH ELEVATION: 1276.2'

DISTRICT: TRIADDELPHIA COUNTY: OHIO COUNTY QUADRANGLE: WHEELING & VALLEY GROVE

SURFACE OWNER: MELVIN W. KAHLE JR. AND CAROL M. KAHLE ACREAGE: ±84.99

OIL & GAS ROYALTY OWNER: MELVIN W. KAHLE JR. AND CAROL M. KAHLE ACREAGE: ±84.99

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: 6,379' TO 7,186' **07/28/2017**

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL

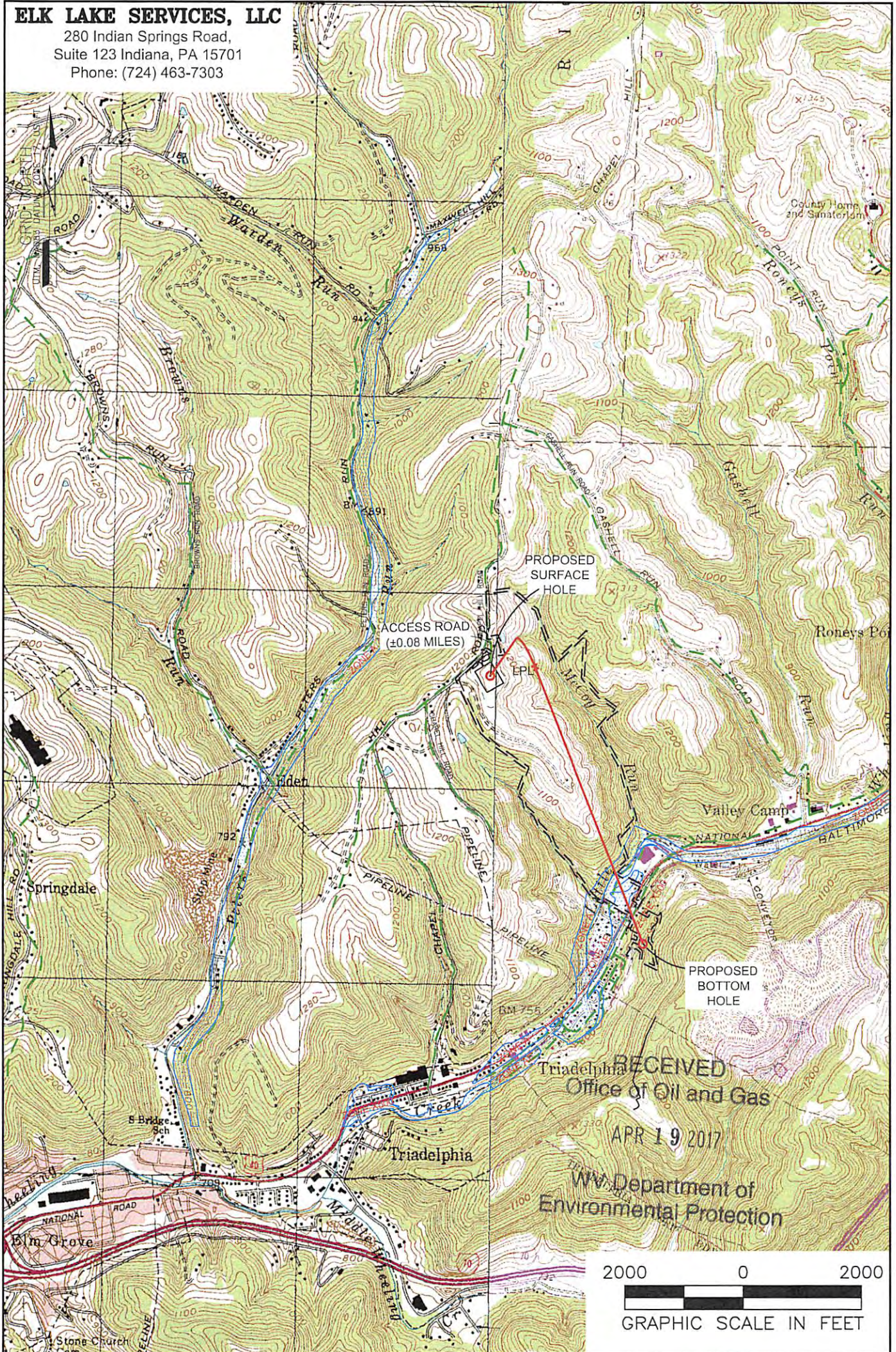
ADDRESS: P.O. BOX 1300 ADDRESS: P.O. BOX 1300

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 	<ul style="list-style-type: none"> SURVEYED BOUNDARY DRILLING UNIT LEASE BOUNDARY PROPOSED PATH 	REVISIONS: DATE: 04-12-2017 FILE NO: 16-51 DRAWN BY: H. JOHN SCALE: 1" = 2000' DRAWING NO: 1 WELL LOCATION PLAT 1
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Phone: (724) 463-7303



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.
4. ALL INSETS ARE GRID NORTH UNLESS OTHERWISE DEPICTED.

LEGEND:

- PROPOSED SURFACE HOLE / BOTTOM HOLE
- ☼ EXISTING / PRODUCING WELLHEAD
- LPL* LANDING POINT LOCATION
- 🌊 FLOOD PLAIN

- ACCESS ROAD
- - - PUBLIC ROAD
- ACCESS ROAD
- ==== LEASE BOUNDARY
- PROPOSED PATH

07/28/2017

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC	WELL (FARM) NAME: MELVIN KAHLE OHI	WELL # 10H	SERIAL # XXXX
ADDRESS: P.O. BOX 1300 JANE LEW, WV 26378	COUNTY OHIO COUNTY - 69	DISTRICT: TRIADELPHIA	
SURFACE OWNER: MELVIN W. KAHLE JR. AND CAROL M. KAHLE	USGS 7 1/2 QUADRANGLE MAP NAME WHEELING, WV & VALLEY GROVE, WV		