

**ELK LAKE SERVICES, LLC**

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

Latitude: 40°12'30" SURFACE HOLE 5427'

Latitude: 40°10'00" BOTTOM HOLE 2597'

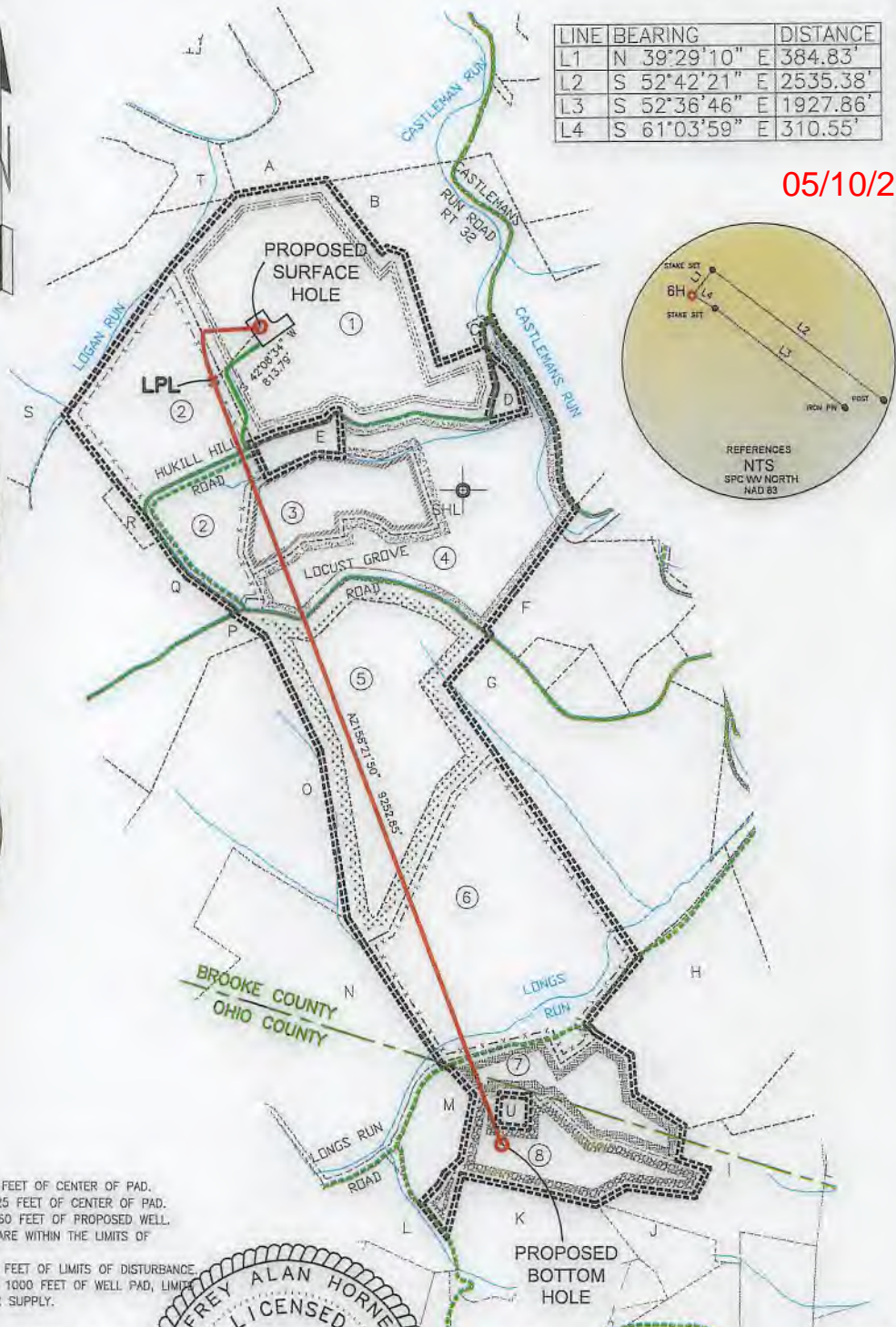
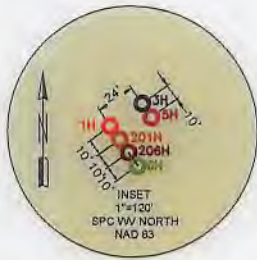
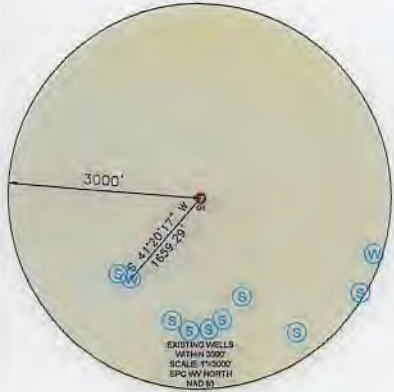
BHL

<b>SURFACE HOLE LOCATION (SHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,448,987.91 EASTING: 537,360.92
<b>LANDING POINT (LPL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,448,801.30 EASTING: 537,197.66
<b>BOTTOM HOLE LOCATION (BHL):</b>
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,446,179.73 EASTING: 538,237.52

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

LINE	BEARING	DISTANCE
L1	N 39°29'10" E	384.83'
L2	S 52°42'21" E	2535.38'
L3	S 52°36'46" E	1927.86'
L4	S 61°03'59" E	310.55'

05/10/2019



**WELL RESTRICTIONS**

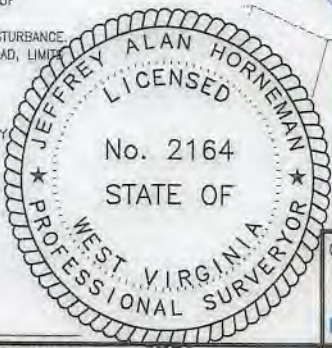
1. NO OCCUPIED DWELLINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
2. NO AGRICULTURE BUILDINGS > 2500 SQ FT. WITHIN 625 FEET OF CENTER OF PAD.
3. WATER WELLS OR DEVELOPED SPRINGS ARE WITHIN 1660 FEET OF PROPOSED WELL.
4. PERENNIAL STREAMS, LAKES, PONDS, OR RESERVOIRS ARE WITHIN THE LIMITS OF DISTURBANCE.
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.

P.S. 2164



COMPANY:



	(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS	MINIMUM DEGREE OF ACCURACY: 1/200	SAMUEL JONES BRK		
	WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034	PROVEN SURVEY GRADE GPS SOURCE OF ELEVATION: (NAVD 88, US FT)	OPERATOR'S WELL #: 6H  API WELL #: 47 9 00280 STATE 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 ELEVATION: 1205.4'-PLANNED					
DISTRICT: BUFFALO COUNTY: BROOKE COUNTY QUADRANGLE: BETHANY					
SURFACE OWNER: JONES, SAMUEL E. AND JUDITH F. ACREAGE: ±164.70					
OIL & GAS ROYALTY OWNER: RESOURCE MINERALS HEADWATER I, LP ACREAGE: ±164.70					
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: 6,287' TVD 15,750' TMD					
WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: BRITTANY WOODY					
ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201 ADDRESS: 1300 FORT PIERPONT DRIVE SUITE 201					
CITY: MORGANTOWN STATE: WV ZIP CODE: 26508 CITY: MORGANTOWN STATE: WV ZIP CODE: 26508					
<b>LEGEND:</b>					
○ PROPOSED SURFACE HOLE / BOTTOM HOLE		— SURVEYED BOUNDARY		REVISIONS:	
✱ EXISTING / PRODUCING WELLHEAD		- - - - - DRILLING UNIT		DATE: 02-20-2019	
LPL: LANDING POINT LOCATION		- - - - - LEASE BOUNDARY		FILE NO: 17-010	
Ⓜ EXISTING WATER WELL		— PROPOSED PATH		DRAWN BY: N. LASSAK	
Ⓢ EXISTING SPRING				SCALE: 1" = 2000'	
				DRAWING NO: 1	
				WELL LOCATION PLAT 1	



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WELL BORE TABLE FOR SURFACE / ROYALTY OWNERS		
TRACT	SURFACE OWNER (S) / ROYALTY OWNER (R)	TAX PARCEL
1	JONES, SAMUEL E & JUDITH F (S) / RESOURCE MINERALS HEADWATER I, LP (R)	3-B43-60
TRACT	SURFACE OWNER	TAX PARCEL
2	NORDEN, ANNA MAE	3-B48-22
3	CHAMBERS, HARRY L & BEVERLY R(SURV)	3-B48-24.1
4	CHAMBERS, ROBERT M & CHARLOTTE A	3-B48-24
5	SONDA, SCOTT & MARK	3-B48-20
6	STONE, MARION PYLE	3-B48-41
7	GRIMES, DONALD; HOUSTON, ANTHONY	3-B48-40
8	OHARA, MICHAEL & DEIRDRA	3-L2-10.2

ADJOINING OWNERS TABLE		
TRACT	SURFACE OWNER	TAX PARCEL
A	VALENTINE, GENE C TRUST	3-B43-33
B	FONNER, MARY LOU	3-B43-58
C	PUSKARICH, TRACY T	3-B43-59
D	AYERS, ALBERT GLENN & REBECCA ANN	3-B43-61
E	CHAMBERS, ROBERT M & CHARLOTTE A	3-B48-23
F	CAMMARATA, NICHOLAS J & JENNIFER C(SURV)	3-B48-25
G	WALDEN, WILLIAM K & FLORENCE ANDREA	3-B48-27
H	WALDEN, WILLIAM K & ANDREA	3-B48-38
I	GRIMES, MICHAEL J	3-L2-10.1
J	FISH, HARRY ALAN	3-L2-13.1
K	BREITINGER, MICHAEL	3-L2-11
L	SONDA, SCOTT; SONDA, MARK	3-L2-2
M	WINDSOR COAL COMPANY	03-L2-9
N	SONDA, SCOTT; SONDA, MARK	3-L2-1
O	STONE, MARION P	3-B48-19
P	STONE, MARC P	3-B48-17
Q	PYLE, JUDITH ANN	3-B48-18
R	SEIDEWITZ, PAUL ROBERT & WENDY KAY	3-B48-18.1
S	CORWIN, BRIAN DAVID	3-B43-22
T	BETHANY COLLEGE	3-B38-31
U	O'HARA, DEIRDRA	3-L2-10

REVISIONS:	COMPANY:	 	
	OPERATOR'S	SAMUEL JONES BRK	
	WELL #:	6H	
	DISTRICT:	COUNTY:	STATE:
	BUFFALO	BROOKE COUNTY	WV
			DATE: 02-20-2019
			FILE NO: 17-010
			DRAWN BY: N. LASSAK
			SCALE: N/A
			DRAWING NO: 1
			WELL LOCATION PLAT 1