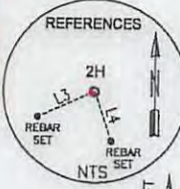


SHL Latitude: 40°10'00" 7,396'

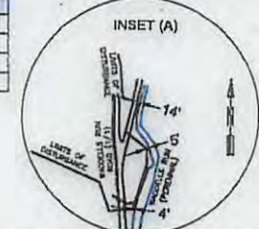
BHL Latitude: 40°12'30" 9,763'



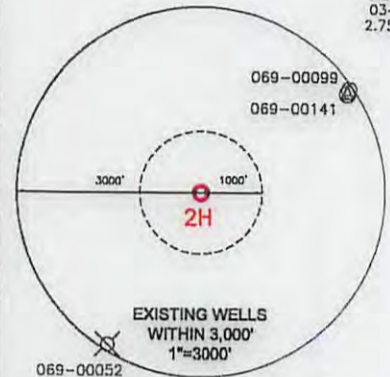
RETTEW Associates, Inc.  
27 Travata Street, Suite 101  
Bridgeport, WV 26330  
Phone (800) 738-8395  
Email: rettew@rettew.com  
Website: www.rettew.com



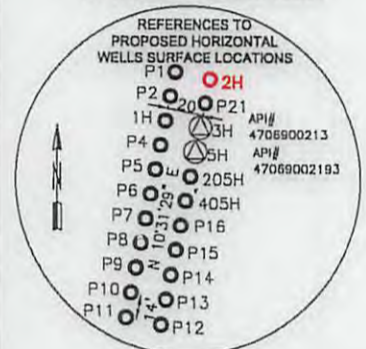
LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 66°50'22" W	362.06'	SHL TO LANDMARK	
L2	S 89°48'01" E	742.40'	SHL TO LANDMARK	
L3	S 64°38'03" W	559.04'	SHL TO REF. PNT.	REBAR W/CAP
L4	S 13°22'33" E	374.77'	SHL TO REF. PNT.	REBAR W/CAP



SURFACE HOLE LOCATION (SHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,445,645.181	
EASTING: 529,681.164	
LANDING POINT LOCATION (LPL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,445,643.783	
EASTING: 529,679.515	
BOTTOM HOLE LOCATION (BHL):	
UTM (NAD83, ZONE 17, METERS):	
NORTHING: 4,448,181.190	
EASTING: 528,948.186	

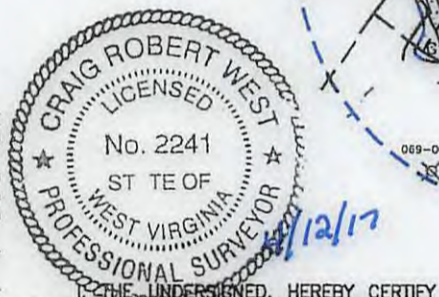


NO DEEP WELLS WITHIN 3000' OF HORIZONTAL WELL BORE

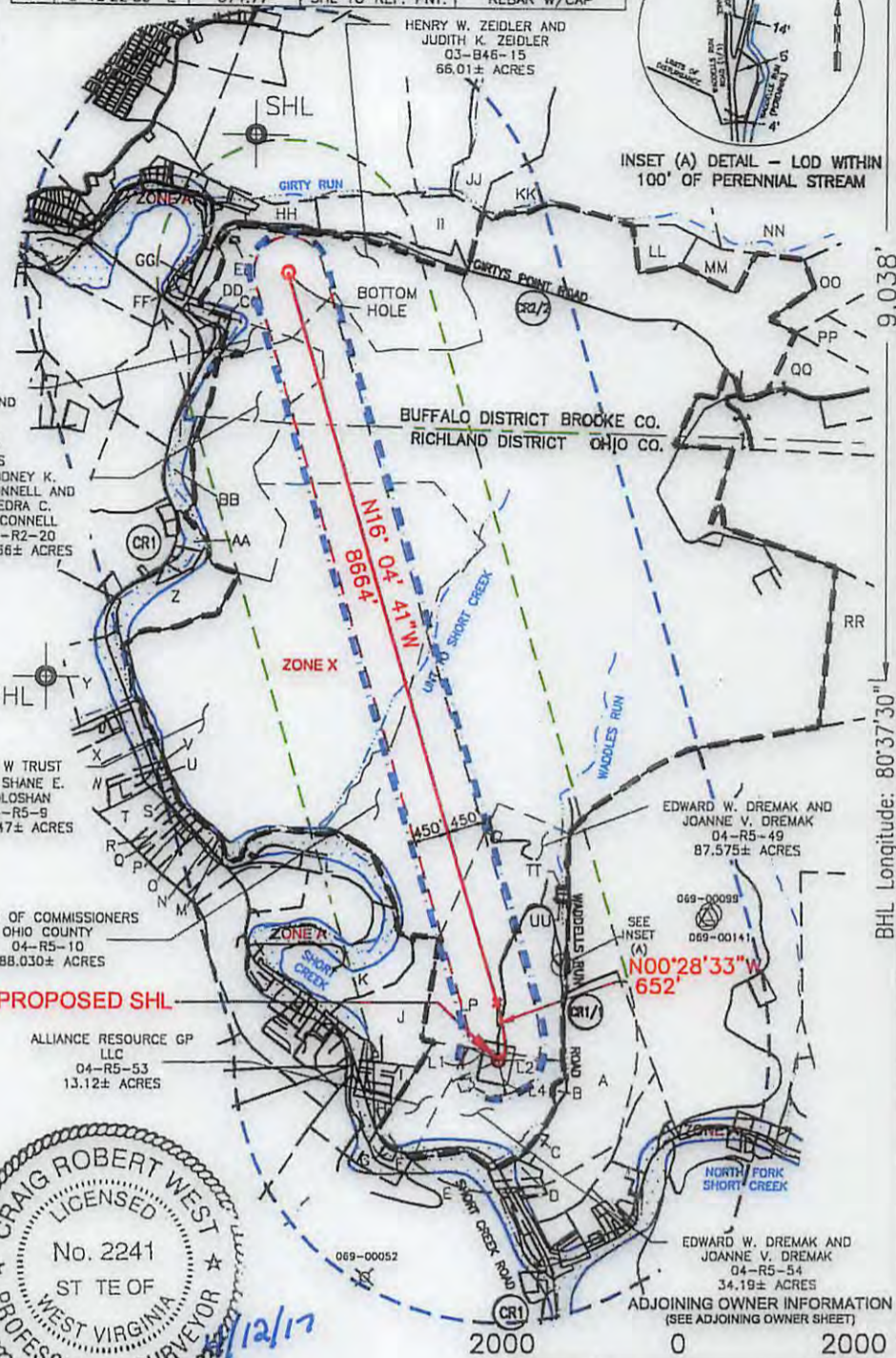


NOTES ON SURVEY

- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
- SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.
- THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY OF THE PARCELS SHOWN HEREON.
- NO DWELLINGS AND BUILDINGS WITHIN 625 FEET OF PROPOSED CENTER OF PAD.
- NO WATER WELLS OR DEVELOPED SPRINGS WITHIN 250 FEET OF PROPOSED WELL.
- NO LAKES, PONDS, RESERVOIRS OR WETLANDS WITHIN 100 FEET OF THE LIMITS OF DISTURBANCE.
- NO NATURALLY PRODUCING TROUT STREAM WITHIN 300 FEET OF LIMITS OF DISTURBANCE.



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. 2241



GRAPHIC SCALE IN FEET

COMPANY: **SWN** Production Company, LLC

EDWARD DREMAK UP OHI		
OPERATOR'S WELL #:	2H	
API WELL #:	47	69
	STATE	COUNTY
		PERMIT

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

WATERSHED: UPPER OHIO WHEELING ELEVATION: 1,087.5'± PROPOSED

DISTRICT: RICHLAND COUNTY: OHIO QUADRANGLE: TILTONSVILLE, OH-WV

SURFACE OWNER: DREMAK, EDWARD W. & JOANNE V. ACREAGE: 34.19±

OIL & GAS ROYALTY OWNER: DREMAK, EDWARD W. & JOANNE V. ACREAGE: 34.19±

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: UPPER POINT PLEASANT UTICA ESTIMATED DEPTH: 10,404' TVD 19,421' TMD

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC DESIGNATED AGENT: DEE SOUTHALL 07/21/2017



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:
<ul style="list-style-type: none"> <li>PROPOSED SURFACE HOLE / BOTTOM HOLE</li> <li>EXISTING / PRODUCING WELLHEAD</li> <li>ABANDONED WELL</li> <li>PLUGGED &amp; ABANDONED WELL</li> <li>PERMITTED BUT NOT DRILLED</li> </ul>	<ul style="list-style-type: none"> <li>EXISTING SPRING</li> <li>EXISTING WATER WELL</li> <li>DRILLING UNIT</li> <li>LEASE BOUNDARY</li> <li>PROPOSED PATH</li> <li>DOWN HOLE PATH BUFFER</li> </ul>
	DATE: 04-03-2017
	DRAWN BY: W. McCLEAF
	SCALE: 1" = 2000'
	DRAWING NO: 087569045
	WELL LOCATION PLAT



## ADJOINING OWNERS

TRACT	SURFACE OWNERS	TAX PARCEL	ACRES
A	WINDSOR POWER COAL COMPANY	04-R8-8-1	59.13±
B	EDWARD W. & JOANN V. DREMAK	04-R5-54-1	0.69±
C	CHRISTOPHER A. WADDELL	04-R8-8-18	0.93±
D	EDWARD N. & SUSAN L. CAIN	04-R8-8-3	1.95±
E	ALLIANCE RESOURCE GP LLC	04-R8-6	169.98±
F	ALLIANCE RESOURCE GP LLC	04-R5-52	6.32±
G	WHEELING ELECTRIC COMPANY	04-R5-52-1	0.39±
H	ALLIANCE RESOURCE GP LLC	04-R5-51-1	1.18±
I	WINDSOR COAL COMPANY	04-R5-50-3	2.19±
J	WINDSOR COAL COMPANY	04-R5-50	19.447±
K	JOHN W. METZ	04-R5-46	22.63±
L	BURNT MILLS ACRES LLC	04-R5-13	20.332±
M	JULIE A. KOEHLER	04-R5-45-4	2.838±
N	JULIE A. KOEHLER	04-R5-45-13	3.662±
O	HELEN TAYLOR	04-R5-12	0.68±
P	HELEN TAYLOR	04-R5-14	0.56±
Q	HUMPHREY D. JR. & T. M. FLICK	04-R5-15	1.64±
R	DALE A. VILLIANI AND JENNIFER A. VILLIANI	04-R5-16	1.63±
S	DALE A. VILLIANI AND JENNIFER A. VILLIANI	04-R5-17-1	0.438±
T	ROBERT N. & C. L. CONNER	04-R5-17	7.16±
U	PATRICIA ROUSH	04-R5-18	1.8707±
V	ERVAN D. TRUBIANO AND NANCY G. TRUBIANA	04-R5-19	1.01±
W	BRIAN W. SOWIZRAL AND MELINDA K. SOWIZRAL	04-R5-20-1	5.683±
X	DENNIS J. HOSKINS AND SHEINA L. HOSKINS	04-R5-20-4	4.84±
Y	HAROLD COAST AND LINDA COAST	04-R5-2-9	10.94±
Z	ROBERT KUBOVICZ	04-R5-8	13.91±
AA	JOHN E HARWATT AND E R HARWATT	04-R5-8-2	1.90±
BB	SHORT CREEK ROAD	04-R2-9999-9999	
CC	RODNEY K. MCCONNELL AND NEDRA C. MCCONNELL	04-R2-18-2	0.946±
DD	SYLVIA A. HAWRANICK	04-R2-18-1	2.04±
EE	HAMMOND PUBLIC SERVICE DISTRICT	03-B46-16	0.120±
FF	HENRY W. ZEIDLER AND JUDITH K. ZEIDLER	03-B46-13	1.120±
GG	KENNETH D. COVER AND BARBARA J. COVER	03-B46-12	0.69±
HH	JOAN GARRETT	03-B46-17	5.040±
II	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B46-18	20.52±
JJ	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B41-32	57.28±
KK	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B41-83	83.41±
LL	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B46-19	7.14±
MM	STACY ANN GREATHOUSE AND PATRICIA ANN GREATHOUSE	03-B46-41	5.00±
NN	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B41-82	229.00±
OO	DANNY GENE BRITT AND VIRGINIA BRITT	03-B46-27	106.53±
PP	TRACY GILBERT	03-B46-22	10.00±
QQ	BRUCE D. BONAR (3/4) WILLIAM BONAR (1/4)	03-B46-20	113.00±
RR	MARC SEAMON	04-R6-2	93.627±
SS	BOARD OF COMMISSIONERS OF OHIO COUNTY	04-R5-55	239.50±
TT	RICHARD L. BLACK AND DEBORAH K. BLACK	04-R5-58-1	0.175±
UU	RAY W. ARCHER	04-R5-0058-0000-0000	0.19±

07/21/2017

REVISIONS:	COMPANY:	 
Δ 04-11-2017 DEP COMMENTS		
	OPERATOR'S	EDWARD DREMAK UP OHI
	WELL #:	2H
	LOCATION:	RICHLAND/BUFFALO DISTRICTS, OHIO/BROOKE COUNTIES, WEST VIRGINIA
		DATE: 04-03-2017
		DRAWN BY: W. McCLEAF
		SCALE: N/A
		DRAWING NO: 087569045
		ADJOINING OWNERS