

SHL Latitude: 40°10'00" 7,404'

BHL Latitude: 40°12'30" 9,232'

RETTEW

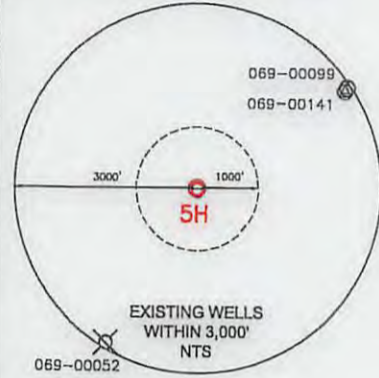
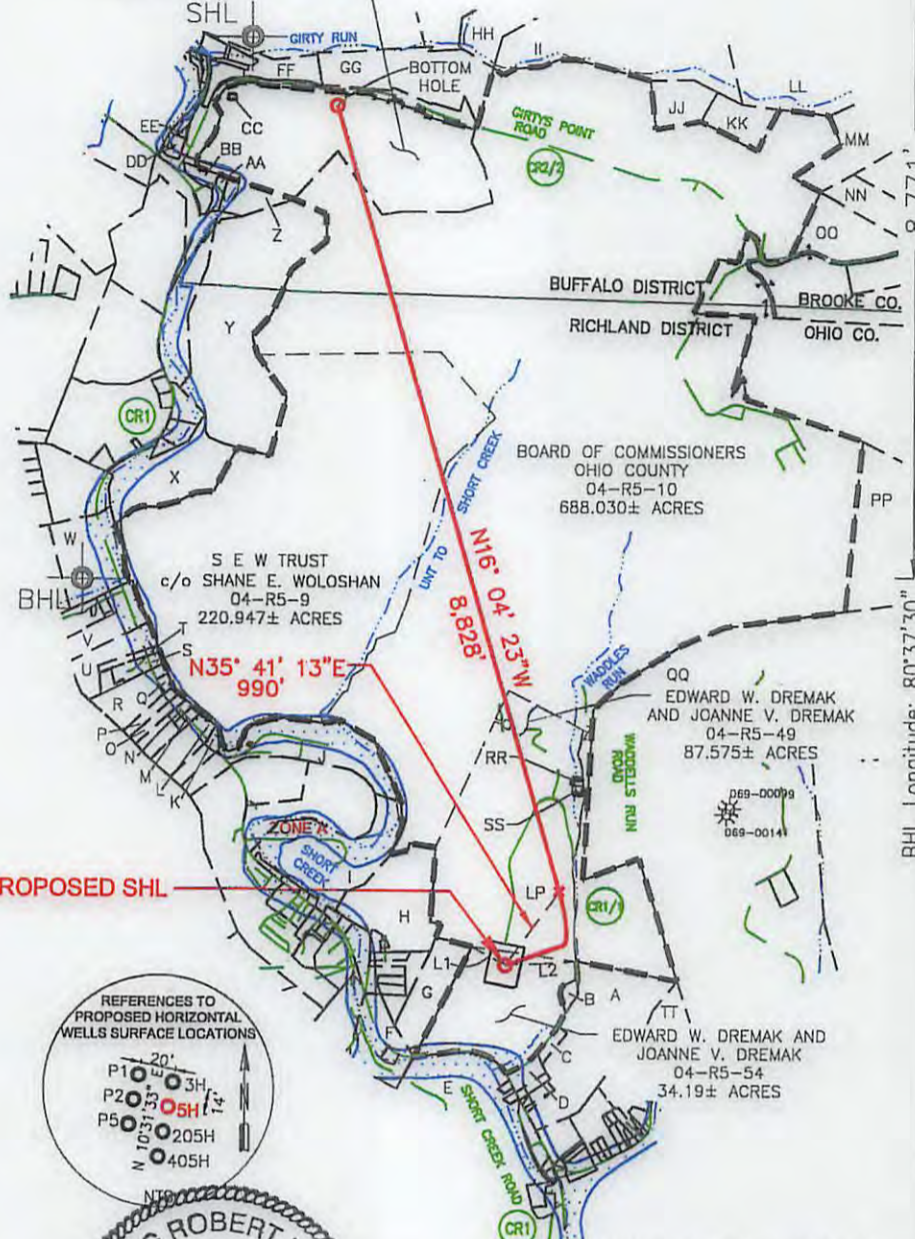
RETTEW Associates, Inc.
27 Travata Street, Suite 101
Bridgeport, WV 26330
Phone (800) 738-8395
Email: rettew@rettew.com
Website: www.rettew.com

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,445,432.605 EASTING: 529,678.823
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,445,677.795 EASTING: 529,854.925
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,448,263.327 EASTING: 529,109.965

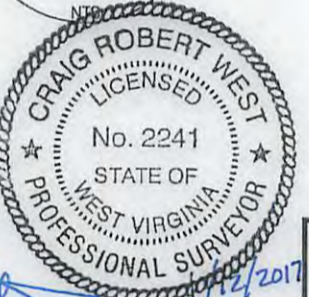
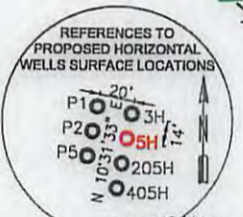
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	N 81°06'12" W	415.26'	SHL TO LANDMARK	
L2	N 86°47'32" E	773.23'	SHL TO LANDMARK	

HENRY W. ZEIDLER, JUDITH K. ZEIDLER
& MARGARET ZEIDLER BURGGRAF
03-B46-15
66.01± ACRES

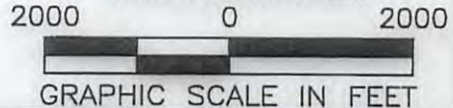


- NOTES ON SURVEY**
- COORDINATES SYSTEM IS UTM, NAD 83 DATUM, ZONE 17, U.S. FOOT AND WELL COORDINATES ESTABLISHED USING SURVEY GRADE GPS.
 - SURFACE AND ROYALTY OWNER INFORMATION AND THEIR BOUNDARIES SHOWN HEREON WERE PLOTTED FROM DEEDS AND/OR TAX PARCEL MAPS PROVIDED BY CLIENT AND FIELD LOCATIONS.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



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.

Craig Robert West



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 ELEVATION: SURVEY GRADE GPS (NAVD 88, US FT)	COMPANY: SWN Production Company, LLC OPERATOR'S WELL #: 5H API WELL #: 47 STATE 69 COUNTY 00219 PERMIT
	WELL TYPE: OIL <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/> PRODUCTION <input 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 WHEELING DISTRICT: RICHLAND COUNTY: OHIO SURFACE OWNER: DREMAK, EDWARD W. & JOANNE V. OIL & GAS ROYALTY OWNER: DREMAK, EDWARD W. & JOANNE V.

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: 5,806' TVD 15,051' TMD

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:	<input checked="" type="checkbox"/> PROPOSED SURFACE HOLE / BOTTOM HOLE <input checked="" type="checkbox"/> EXISTING / PRODUCING WELLHEAD <input checked="" type="checkbox"/> ABANDONED WELL <input checked="" type="checkbox"/> PLUGGED & ABANDONED WELL <input checked="" type="checkbox"/> PERMITTED BUT NOT DRILLED	<input checked="" type="checkbox"/> EXISTING SPRING <input checked="" type="checkbox"/> EXISTING WATER WELL --- TIE LINE --- LEASE BOUNDARY --- MARCELLUS DHP --- ABANDONED PATH	REVISIONS: DATE: 01-12-2017 DRAWN BY: W. MCCLEAF SCALE: 1" = 2000' DRAWING NO: 087569045 WELL LOCATION PLAT
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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	ALLIANCE RESOURCE GP LLC	04-R5-53	14.25±
H	WINDSOR COAL COMPANY	04-R5-50	19.447±
I	JOHN W. METZ	04-R5-46	22.63±
J	BURNT MILLS ACRES LLC	04-R5-13	20.332±
K	JULIE A. KOEHLER	04-R5-45-4	2.838±
L	JULIE A. KOEHLER	04-R5-45-13	3.662±
M	HELEN TAYLOR	04-R5-12	0.68±
N	HELEN TAYLOR	04-R5-14	0.56±
O	HUMPHREY D. JR. & T. M. FLICK	04-R5-15	1.64±
P	DALE A. VILLIANI AND JENNIFER A. VILLIANI	04-R5-16	1.63±
Q	DALE A. VILLIANI AND JENNIFER A. VILLIANI	04-R5-17-1	0.438±
R	ROBERT N. & C. L. CONNER	04-R5-17	7.16±
S	PATRICIA ROUSH	04-R5-18	1.8707±
T	ERVAN D. TRUBIANO AND NANCY G. TRUBIANA	04-R5-19	1.01±
U	BRIAN W. SOWIZRAL AND MELINDA K. SOWIZRAL	04-R5-20-1	5.683±
V	DENNIS J. HOSKINS AND SHEINA L. HOSKINS	04-R5-20-4	4.84±
W	HAROLD COAST AND LINDA COAST	04-R5-2-9	10.94±
X	ROBERT KUBOVICZ	04-R5-8	13.91±
Y	RODNEY K. MCCONNELL AND NEDRA C. MCCONNELL	04-R2-20	58.02±
Z	RODNEY K. MCCONNELL AND NEDRA C. MCCONNELL	03-B46-14	2.75±
AA	RODNEY K. MCCONNELL AND NEDRA C. MCCONNELL	04-R2-18-2	0.946±
BB	SYLVIA A. HAWRANICK	04-R2-18-1	2.04±
CC	HAMMOND PUBLIC SERVICE DISTRICT	03-B46-16	0.12±
DD	HENRY W. ZEIDLER AND JUDITH K. ZEIDLER	03-B46-13	0.859±
EE	KENNETH D. COVER AND BARBARA J. COVER	03-B46-12	0.69±
FF	JOAN GARRETT	03-B46-17	5.04±
GG	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B46-18	20.52±
HH	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B41-32	57.28±
II	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B41-83	83.41±
JJ	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B46-19	7.14±
KK	STACY ANN GREATHOUSE AND PATRICIA ANN GREATHOUSE	03-B46-41	5.00±
LL	BARRY L. GREATHOUSE AND PATRICIA A. GREATHOUSE	03-B41-82	229.00±
MM	DANNY GENE BRITT AND VIRGINIA BRITT	03-B46-27	106.53±
NN	TRACY GILBERT	03-B46-22	10.00±
OO	BRUCE D. BONAR (3/4) WILLIAM BONAR (1/4)	03-B46-20	113.00±
PP	MARC SEAMON	04-R6-2	93.627±
QQ	BOARD OF COMMISSIONERS OF OHIO COUNTY	04-R5-55	239.50±
RR	RICHARD L. BLACK AND DEBORAH K. BLACK	04-R5-58-1	0.175±
SS	RAY W. ARCHER	04-R5-0058-0000-0000	0.19±
TT	ALLIED WASTE INC.	04-R5-0056-0000-0000	7.22±

REVISIONS:	COMPANY:	SWN Production Company, LLC	SWN Production Company™	05/05/2017
	OPERATOR'S	EDWARD DREMAK OHI		DATE: 01-12-2017
	WELL #:	5H		DRAWN BY: W. MCCLEAF
	LOCATION:	RICHLAND/BUFFALO DISTRICTS, OHIO/BROOKE COUNTIES, WEST VIRGINIA		SCALE: N/A
				DRAWING NO: 087569045
				ADJOINING OWNERS