

RETTEW

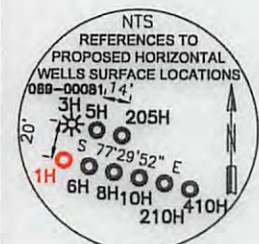
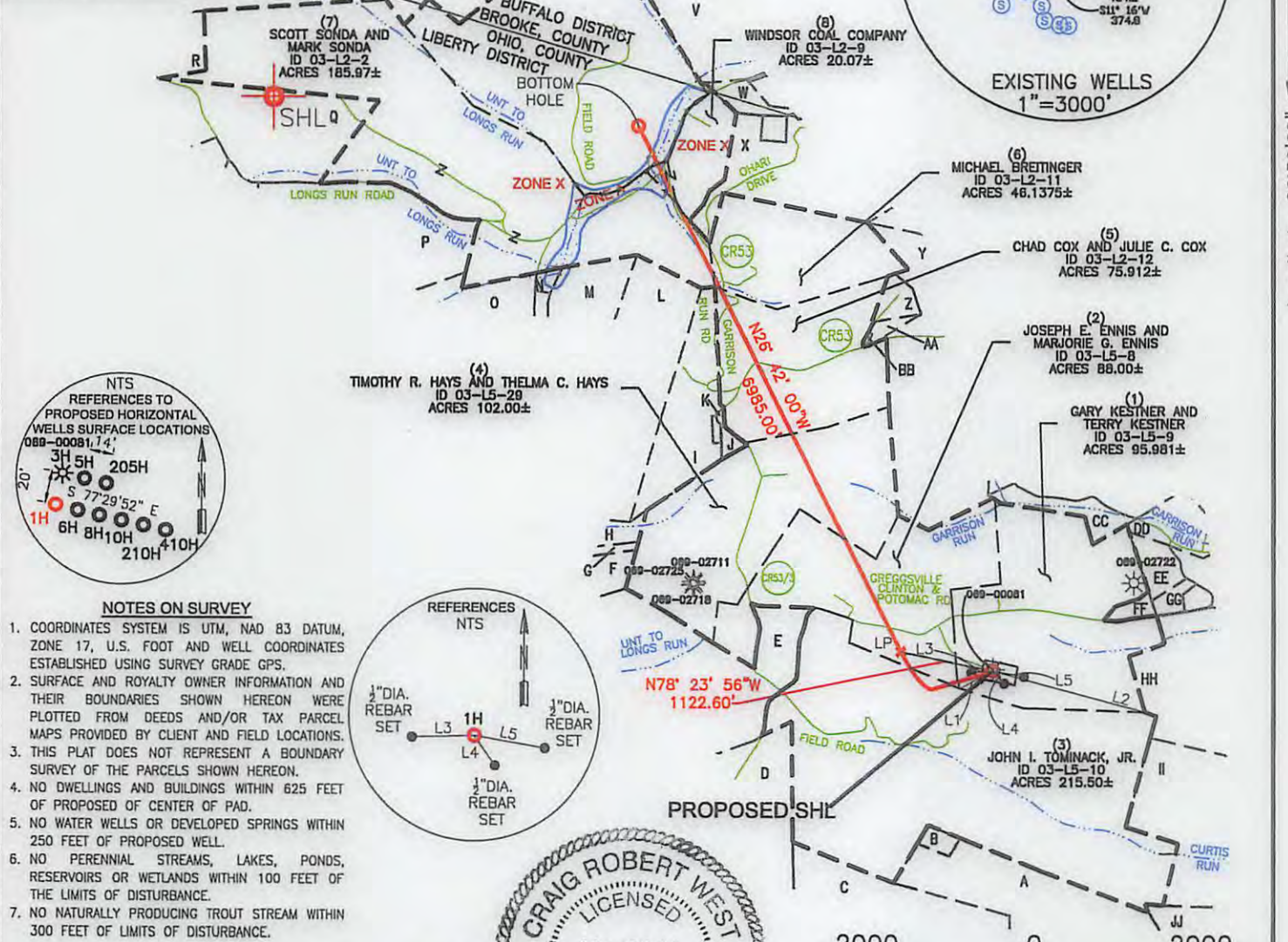
RETTEW Associates, Inc.
27 Travato Street, Suite 101
Bridgeport, WV 26330
Phone (800) 738-8395
Email: rettew@rettew.com
Website: www.rettew.com

SURFACE HOLE LOCATION (SHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,352.973 EASTING: 539,068.444
LANDING POINT LOCATION (LPL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,444,421.782 EASTING: 538,733.264
BOTTOM HOLE LOCATION (BHL):
UTM (NAD83, ZONE 17, METERS): NORTHING: 4,446,323.799 EASTING: 537,776.650

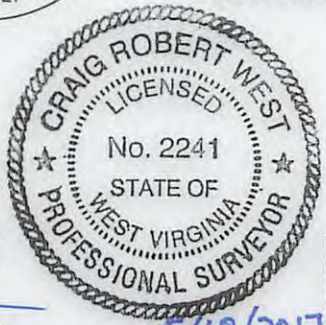
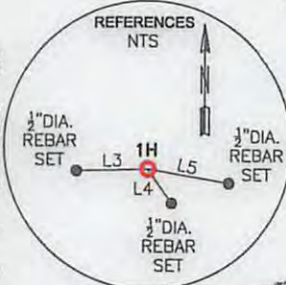
GRID NORTH
UTM, NAD83 DATUM, ZONE 17, US FT

LINE	BEARING	DISTANCE	DESCRIPTION	MONUMENT
L1	S 61°37'31" W	441.33'	SHL TO LANDMARK	
L2	S 75°12'18" E	1883.16'	SHL TO LANDMARK	
L3	S 86°25'29" W	253.37'	SHL TO REF. PNT.	1/2"Ø REBAR SET
L4	S 43°04'12" E	204.68'	SHL TO REF. PNT.	1/2"Ø REBAR SET
L5	S 79°50'59" E	380.41'	SHL TO REF. PNT.	1/2"Ø REBAR SET

SEE NEXT SHEET FOR
ADJOINING OWNER INFORMATION



- 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.

P.S. 2241 *Craig Robert West* 5/18/2017

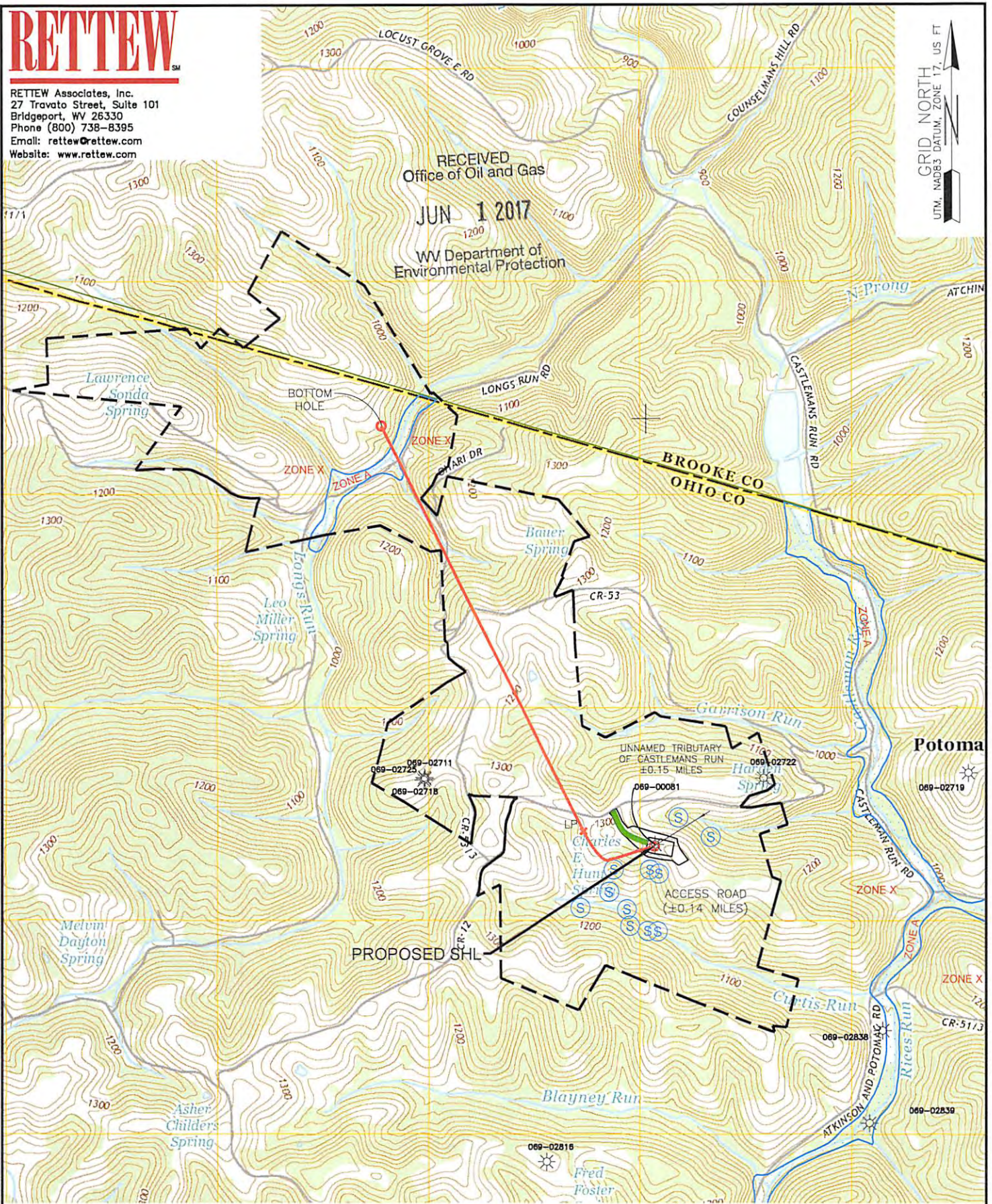
COMPANY: **SWN** Production Company, LLC

<p>(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS</p> <p>WVDEP OFFICE OF OIL & GAS 601 57TH STREET CHARLESTON, WV 25034</p>	<p>MINIMUM DEGREE OF ACCURACY: 1/200</p> <p>PROVEN SURVEY SOURCE OF GRADE GPS ELEVATION: (NAVD 88, US FT)</p>	<p>COMPANY: GARY KESTNER OHI</p> <p>OPERATOR'S WELL #: 1H</p> <p>API WELL #: 47 069 00237</p> <p>STATE COUNTY PERMIT</p>
	<p>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"/></p> <p>WATERSHED: UPPER OHIO NORTH</p> <p>DISTRICT: LIBERTY DISTRICT COUNTY: OHIO</p> <p>SURFACE OWNER: GARY & TERRY KESTNER</p> <p>OIL & GAS ROYALTY OWNER: GARY & TERRY KESTNER</p> <p>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"/></p> <p>CONVERT <input type="checkbox"/> PLUG & ABANDON <input type="checkbox"/> CLEAN OUT & REPLUG <input type="checkbox"/> OTHER CHANGE <input type="checkbox"/> (SPECIFY)</p> <p>TARGET FORMATION: MARCELLUS ESTIMATED DEPTH: 6,462' TVD 13,882' TMD</p>	<p>ELEVATION: ±1,291.9 (AS-BUILT)</p> <p>QUADRANGLE: BETHANY/VALLEY GROVE, WV</p> <p>ACREAGE: ±95.98</p>

WELL OPERATOR: SWN PRODUCTION COMPANY, LLC
ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378

DESIGNATED AGENT: DEE SOUTHALL
ADDRESS: P.O. BOX 1300
CITY: JANE LEW STATE: WV ZIP CODE: 26378

LEGEND:	REVISIONS:	DATE: 05-18-2017
<ul style="list-style-type: none"> PROPOSED SURFACE HOLE / BOTTOM HOLE EXISTING / PRODUCING WELLHEAD EXISTING SPRING EXISTING WATER WELL HARD LINE ACCESS ROAD TIE LINE LEASE BOUNDARY MARCELLUS DHP 	<ul style="list-style-type: none"> HARD LINE ACCESS ROAD TIE LINE LEASE BOUNDARY MARCELLUS DHP 	<p>DRAWN BY: B. HERMAN</p> <p>SCALE: 1" = 2000'</p> <p>DRAWING NO: 087569022</p> <p>WELL LOCATION PLAT</p>



WELL: GARY KESTNER OHI 1H
 QUAD: BETHANY / VALLEY GROVE, WV



NAME AND DISTANCE TO THE NEAREST STREAM: UN-NAMED TRIBUTARY OF CASTLEMAN RUN IS LOCATED ±0.15 MILES NORTH EAST OF THE CENTER OF THE DRILL PAD.	STREAM CROSSING COORDINATES (NAD 83): NO NEW CROSSINGS.
WELL RESTRICTIONS: WELL PAD, LOD, & E & S CONTROL FEATURES TO PERENNIAL STREAM, LAKE, POND, RESERVOIR OR WETLAND: >100 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO NATURALLY PRODUCING TROUT STREAM: >300 FEET WELL PAD, LOD, & E & S CONTROL FEATURES TO GROUNDWATER INTAKE OR PUBLIC WATER SUPPLY: >1000 FEET WELL SHL TO EXISTING WATER WELL OR DEVELOPED SPRING: >250 FEET CENTER OF PAD TO OCCUPIED DWELLING STRUCTURE: >625 FEET CENTER OF PAD TO AGRICULTURAL BUILDINGS LARGER THAN 2500 SQ FT: >625 FEET	
FEMA FLOOD INFORMATION: BY GRAPHIC PLOTTING ONLY FEMA FIRM INCORPORATED AREA OF OHIO COUNTY, WEST VIRGINIA; MAP NUMBER 54069C0040D, 54069C0045D, & 54069C0050D; EFFECTIVE DATE: JULY 17, 2006. FLOOD ZONE A & X ARE SITUATED WITHIN THE UNIT.	

COMPANY: SWN Production Company, LLC	SWN Production Company™
OPERATOR'S WELL #:	GARY KESTNER OHI 1H
LOCATION:	LIBERTY DISTRICT, OHIO COUNTY, WEST VIRGINIA
SURFACE HOLE LOCATION:	
BOTTOM HOLE LOCATION:	
GEOGRAPHIC (NAD83): LATITUDE: 40.148614' LONGITUDE: -80.541313'	09/01/2017
GEOGRAPHIC (NAD83): LATITUDE: 40.166429' LONGITUDE: -80.556363'	

LEGEND:	
○ PROPOSED SURFACE HOLE / BOTTOM HOLE	--- LEASE BOUNDARY
☀ EXISTING / PRODUCING WELLHEAD	— ACCESS ROAD
⊙ EXISTING SPRING	— MARCELLUS DHP
⊙ EXISTING WATER WELL	— HIGHWAY/INTERSTATE
	— COUNTY ROAD

REVISIONS:	DATE: 05-18-2017
	DRAWN BY: B. HERMAN
	SCALE: 1" = 2000'
	DRAWING NO: 087569022
	TOPOGRAPHIC MAP