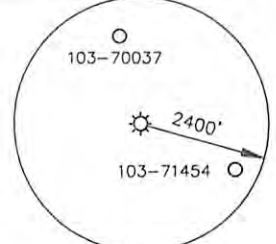
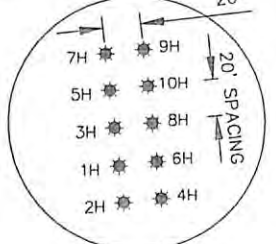


REFERENCE DETAIL NOT TO SCALE

LINE	BEARING	DIST.
R1	N 49° 46' 55" W	250.42'
R2	S 22° 52' 05" W	208.63'



PROPOSED HOWELL NO. 4H NOT TO SCALE



HOWELL NOT TO SCALE

NOTES:
 1. PROPOSED WELL IS GREATER THAN 400' FROM THE MINERAL LINE.
 2. THE LOCATION OF BOUNDARY LINES ARE BASED ON RECORDED DEED DESCRIPTIONS AND NOT BASED ON AN ACTUAL FIELD SURVEY.
 (+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.



240 Scott Avenue, Suite 1
 Morgantown, WV 26508
 (304) 284-9222
 Fax (304) 284-9223
 hrg@hrg-inc.com
 www.hrg-inc.com

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 THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) Jason A. McVicker
 R.P.E. _____ L.L.S. _____ 2050



PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 OIL AND GAS DIVISION



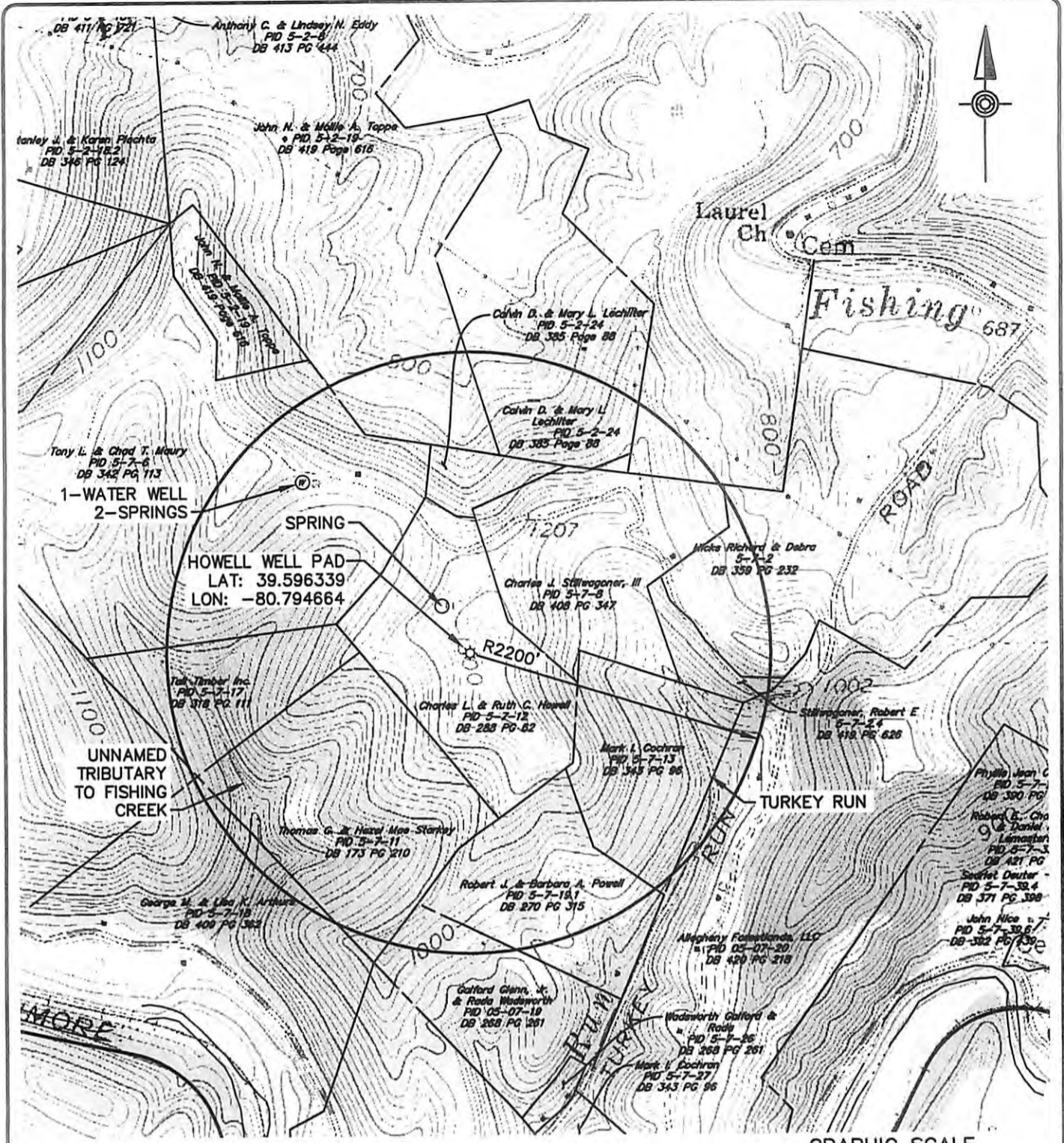
DATE DECEMBER 12, 2012
 OPERATOR'S WELL NO. HOWELL NO. 4H
 API WELL NO. _____

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1342 WATERSHED: FISHING CREEK
 DISTRICT: GREEN COUNTY: WETZEL
 QUADRANGLE: PORTERS FALLS, WV
 SURFACE OWNER: CHARLES L. & RUTH C. HOWELL ACREAGE: ±51
 OIL & GAS ROYALTY OWNER: SEE TABLE ATTACHED LEASE ACREAGE: ±1780
 LEASE NO. 5-7-12
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X
 PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___
 CLEAN OUT AND REPLUG ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

47 - 103 - 02858 H64
 STATE COUNTY PERMIT

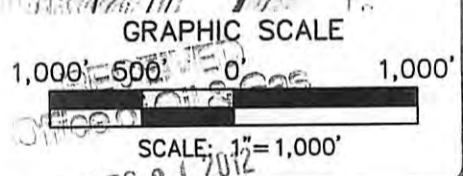
TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: TVD-6930' MD-13910
 WELL OPERATOR: STONE ENERGY CORPORATION DESIGNATED AGENT: TIM MCGREGOR
 ADDRESS: P.O. BOX 52807 ADDRESS: 6000 HAMPTON CENTER, SUITE B
LAFAYETTE, LA 70508 MORGANTOWN, WV 26505

WETZEL COUNTY PERMIT



- NOTES:
1. USGS TOPOGRAPHIC MAP: PORTERS FALLS 7.5' USGS QUADRANGLES
 2. ALL COORDINATES SHOWN ARE IN WV STATE PLANE-NORTH (NAD 83) WV83-NF

DmH
6-5-13



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WATER / WELL LOCATION MAP
FOR
HOWELL WELL PAD SURFACE HOLE 4H

GREEN DISTRICT WETZEL COUNTY WEST VIRGINIA

PROJ. MGR. - THK
DESIGN - MAN
CADD - MAN
CHECKED - RMW
SCALE - 1" = 2000'
DATE - MAY 2011

DRAWING NO. WL-04
SHEET NO. 4 OF 10
PROJECT P005461.0461

File name: C:\Users\jv\Documents\Projects\103-02858\103-02858.dwg Layer: 0 04/11/11 10:04:00 AM 2012-08-10am cadswalrus