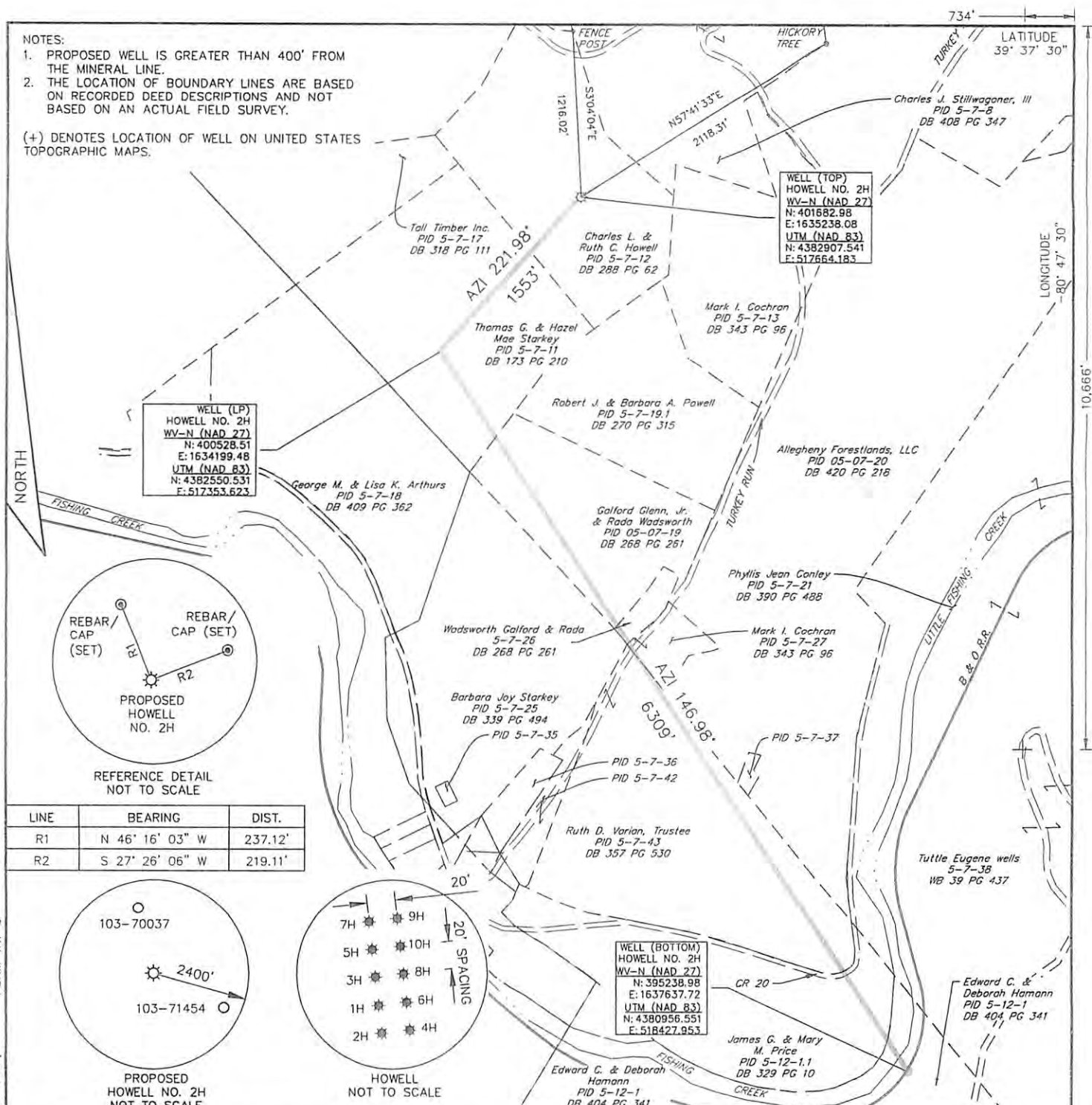


- NOTES:
 1. PROPOSED WELL IS GREATER THAN 400' FROM THE MINERAL LINE.
 2. THE LOCATION OF BOUNDARY LINES ARE BASED ON RECORDED DEED DESCRIPTIONS AND NOT BASED ON AN ACTUAL FIELD SURVEY.

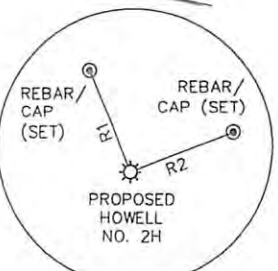
(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.



WELL (LP)
 HOWELL NO. 2H
 WV-N (NAD 27)
 N: 400528.51
 E: 1634199.48
 UTM (NAD 83)
 N: 4382550.531
 E: 517353.623

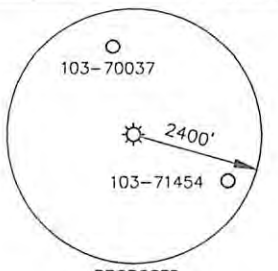
WELL (TOP)
 HOWELL NO. 2H
 WV-N (NAD 27)
 N: 401682.98
 E: 1635238.08
 UTM (NAD 83)
 N: 4382907.541
 E: 517664.183

WELL (BOTTOM)
 HOWELL NO. 2H
 WV-N (NAD 27)
 N: 395238.98
 E: 1637637.72
 UTM (NAD 83)
 N: 4380956.551
 E: 518427.953

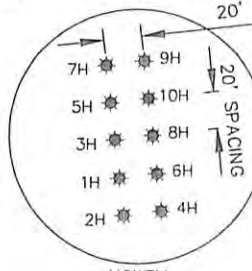


REFERENCE DETAIL
 NOT TO SCALE

LINE	BEARING	DIST.
R1	N 46° 16' 03" W	237.12'
R2	S 27° 26' 06" W	219.11'



PROPOSED
 HOWELL NO. 2H
 NOT TO SCALE



HOWELL
 NOT TO SCALE



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 PLAN 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



FILE NO. R005461.0461
 DRAWING NO. WELL NO. 2H PLAT
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 : 2500
 PROVEN SOURCE OF ELEVATION GPS (SURVEY GRADE)

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



DATE DECEMBER 12, 2012
 OPERATOR'S WELL NO. HOWELL NO. 2H
 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) _____

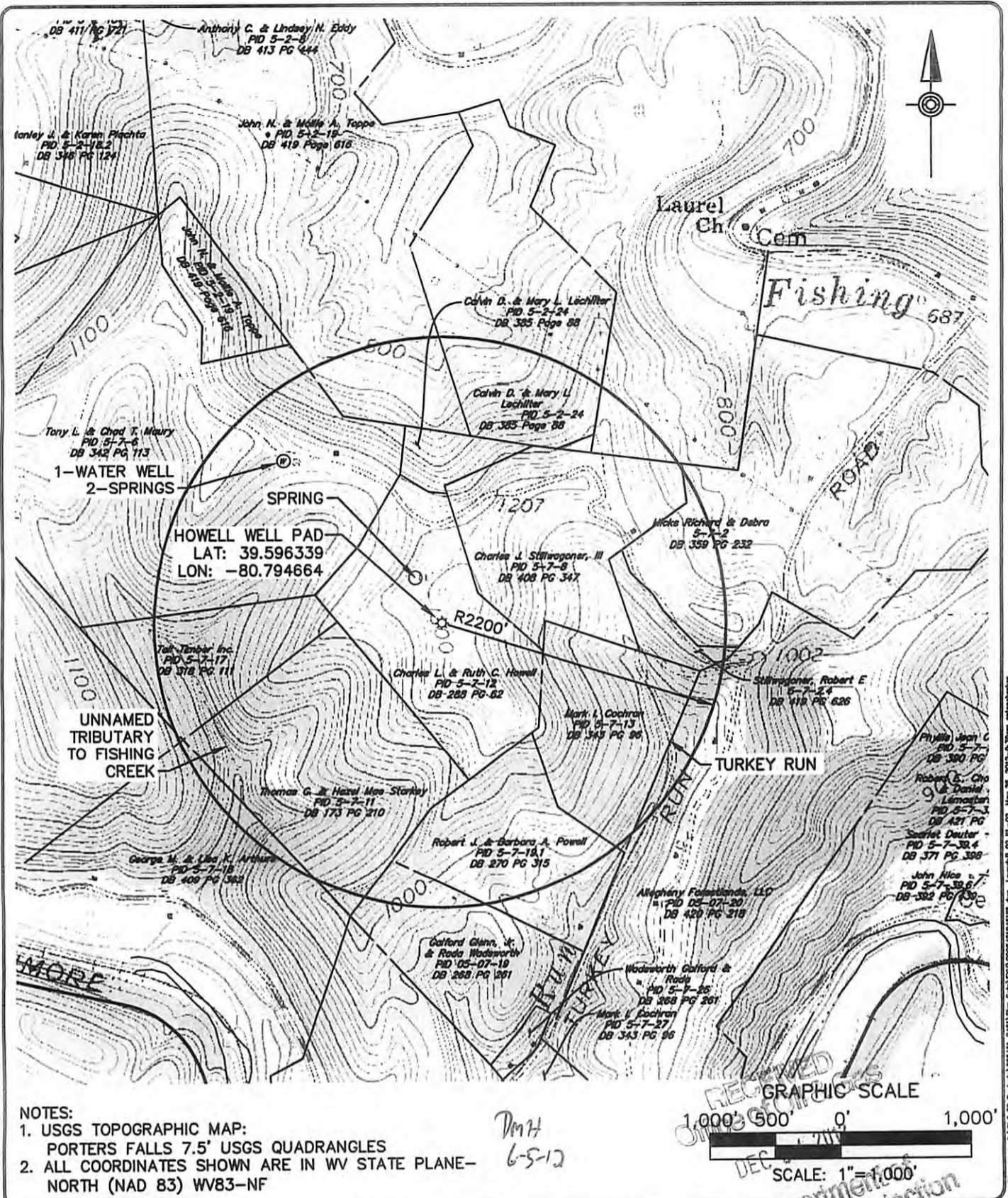
47 - 103 - 02859 H6A
 STATE COUNTY PERMIT

TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: TVD-6930' MD-14100'
 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

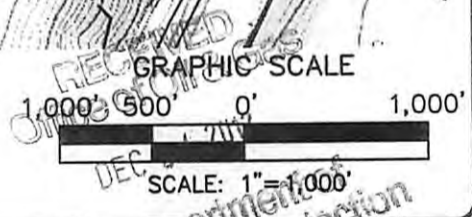
03/01/2013

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WETZEL COUNTY PERMIT



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



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WATER / WELL LOCATION MAP
FOR
HOWELL WELL PAD SURFACE HOLE 2H

GREEN DISTRICT WETZEL COUNTY WEST VIRGINIA

PROJ. MGR.	JWH
DESIGNER	MAN
CADD	MAN
CHECKED	RMW
SCALE	1" = 2000'
DATE	MAY 2011

DRAWING NO.	WL-02
SHEET NO.	2 OF 10
PROJECT	P005461.0461

103-02859