

**PETROEDGE ENERGY, LLC.
WELL NO. BUMGARDNER 5-3H**

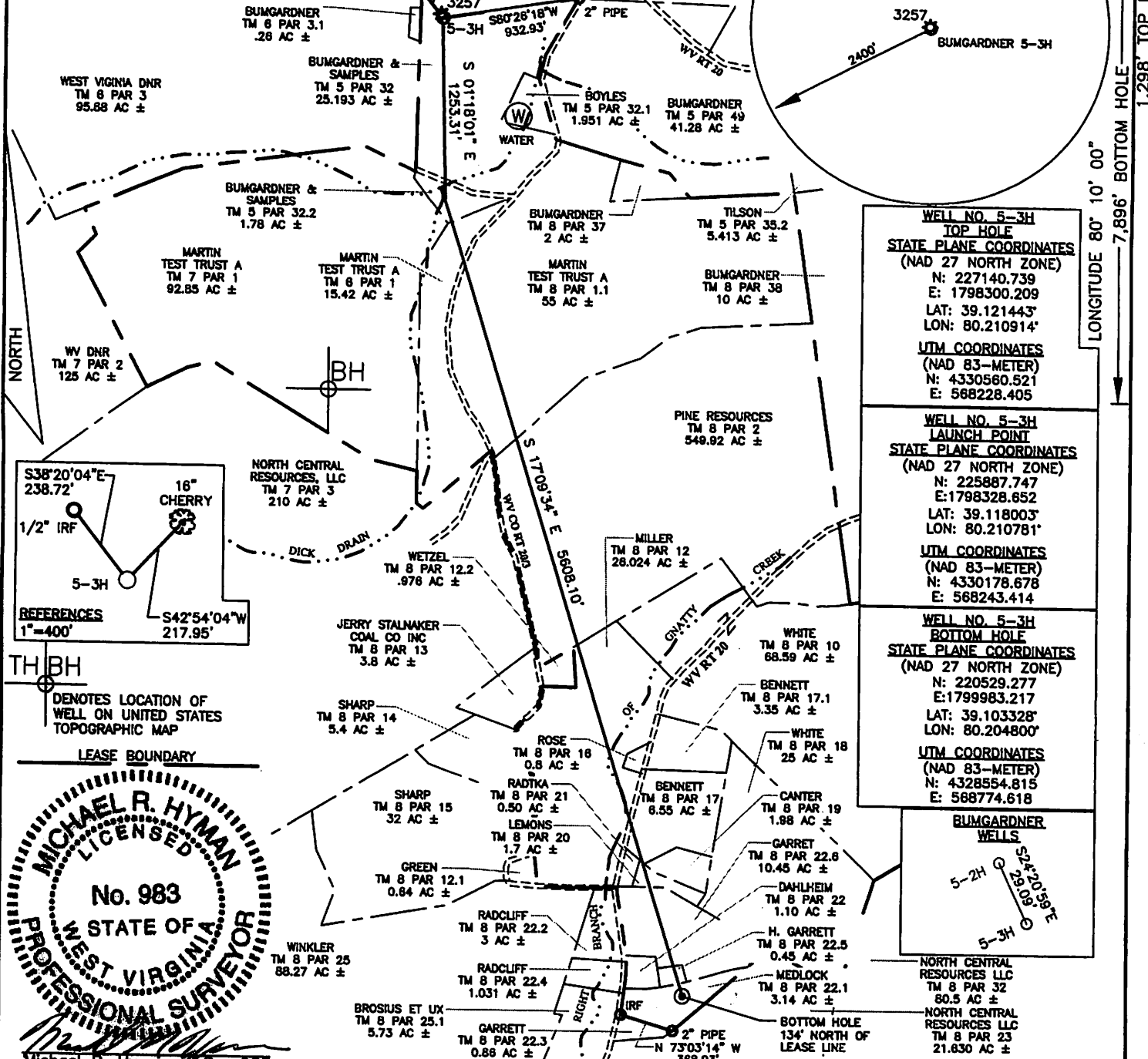
12,554' TOP HOLE

10,822' BOTTOM HOLE

LATITUDE 39° 07' 30"

NOTES:
-PLAT ORIENTATION, CORNERS, AND WELL REFERENCES ARE BASED UPON THE GRID NORTH MERIDIAN FOR THE WV STATE PLANE COORDINATE SYSTEM, NORTH ZONE NAD 27. WELL LOCATION REFERENCE TIES ARE BASED UPON THE MAGNETIC MERIDIAN.

-THERE IS ONE (1) WATER WELL LOCATED WITHIN 1000' OF WELL 5-3H.



**WELL NO. 5-3H
TOP HOLE
STATE PLANE COORDINATES
(NAD 27 NORTH ZONE)**
 N: 227140.739
 E: 1798300.209
 LAT: 39.121443°
 LON: 80.210914°

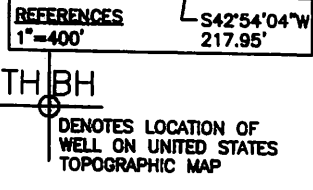
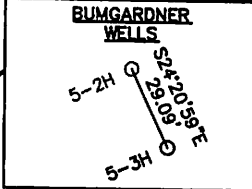
**UTM COORDINATES
(NAD 83-METER)**
 N: 4330560.521
 E: 568228.405

**WELL NO. 5-3H
LAUNCH POINT
STATE PLANE COORDINATES
(NAD 27 NORTH ZONE)**
 N: 225887.747
 E: 1798328.652
 LAT: 39.118003°
 LON: 80.210781°

**UTM COORDINATES
(NAD 83-METER)**
 N: 4330178.678
 E: 568243.414

**WELL NO. 5-3H
BOTTOM HOLE
STATE PLANE COORDINATES
(NAD 27 NORTH ZONE)**
 N: 220529.277
 E: 1799983.217
 LAT: 39.103328°
 LON: 80.204800°

**UTM COORDINATES
(NAD 83-METER)**
 N: 4328554.815
 E: 568774.618



TH BH DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAP

LEASE BOUNDARY

**MICHAEL R. HYMAN
LICENSED
No. 983
STATE OF WEST VIRGINIA
PROFESSIONAL SURVEYOR**

Michael R. Hyman, P.S. 983

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 DIVISION OF ENVIRONMENTAL PROTECTION.

FILE NO. 030-2122

SCALE: 1"=1000'

MINIMUM DEGREE OF ACCURACY: 1 in 2500

PROVEN SOURCE OF ELEVATION: OPUS SURVEY GRADE GPS

**STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS**

DATE JUNE 28, 2012

OPERATOR'S WELL NO. BUMGARDNER NO. 5-3H

API WELL NO. 47 - 001 - 32.73

STATE WV COUNTY BARBOUR PERMIT 6A

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS"), PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION: 1223.82' WATER SHED: GNATTY CREEK

DISTRICT: UNION COUNTY: BARBOUR

QUADRANGLE: CENTURY 7.5' ACREAGE: 25.193 AC±

SURFACE OWNER: RUSSELL C. & SANDRA S. BUMGARDNER LEASE ACREAGE: 695.627 AC+

OIL & GAS ROYALTY OWNER: TULE JUNE BUMGARDNER MALCOM ET. AL. LEASE NO. _____



PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PERFORATE NEW FORMATION PLUG OFF OLD FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____

TARGET FORMATION: MARCELLUS SHALE ESTIMATED DEPTH: 7,610' TVD / 14,083.37' MD

WELL OPERATOR: PETROEDGE ENERGY, LLC. DESIGNATED AGENT: DAN MULLINS

ADDRESS: 2925 BRIARPARK DR. STE. 150 / HOUSTON, TX 77042 ADDRESS: 4477 WILLIAMSTOWN PIKE WILLIAMSTOWN, WV 26127

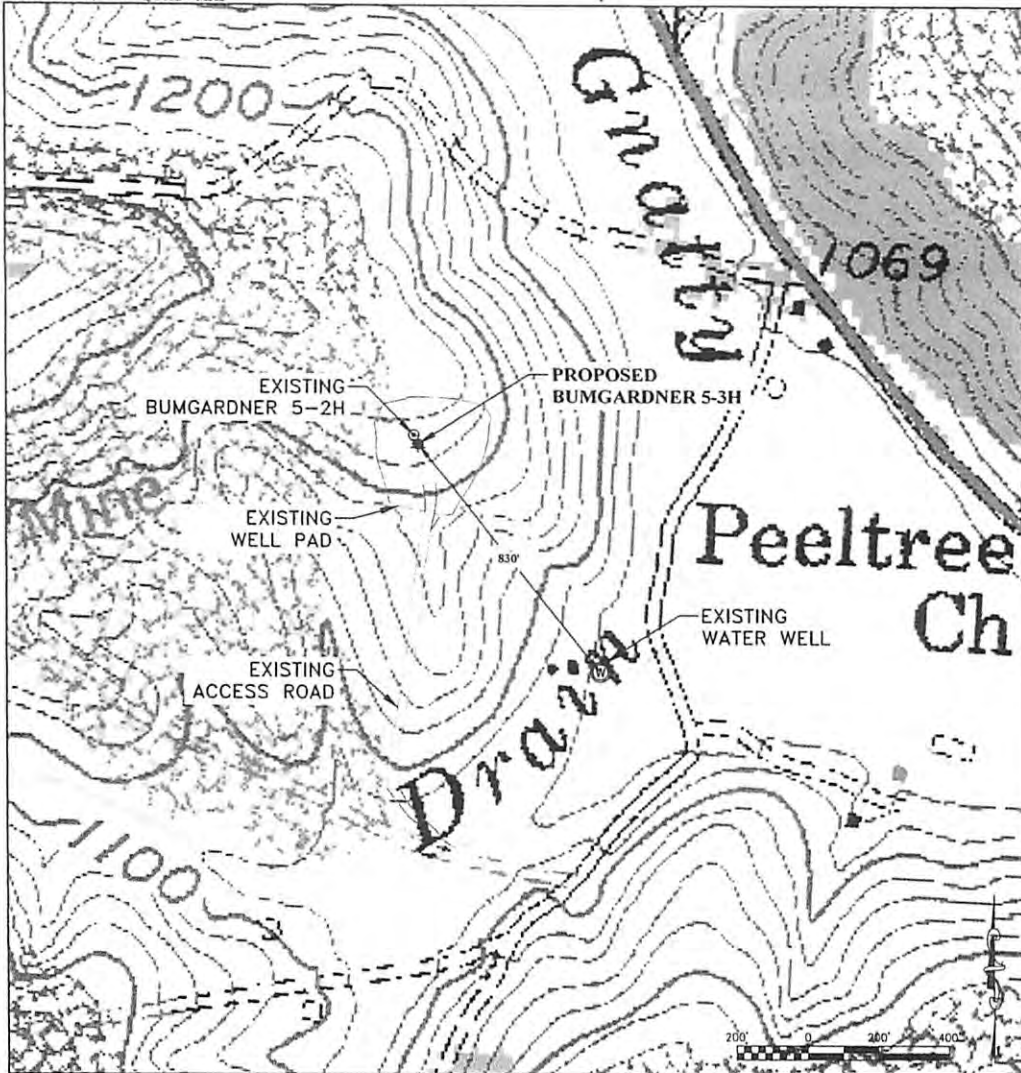
10/28/2012

1-3273

PETROEDGE ENERGY LLC
TOPOGRAPHIC MAP WITH WATER PURVEYORS FOR THE
BUMGARDNER WELL PAD
BARBOUR COUNTY, WV
JULY 2012

AMC 7-30-12

CENTURY, WV QUAD MAP



DATE: 08/01/12 10:14 AM
FILE: C:\Users\jmc\Documents\Projects\Bumgardner\Bumgardner.dwg
PLOT: 10/26/12 10:14 AM

THRASHER
 ENGINEERING

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 PHONE (304) 624-4108 FAX (304) 624-7831