

FILE NUMBER W0100286 (WB1-27)

DRAWING NUMBER W0100286_WP1H

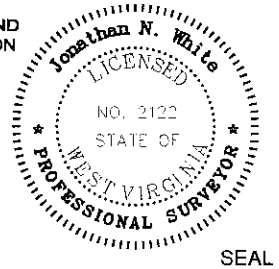
SCALE 1" = 1000'

MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION SUBMETER MAPPING
GRADE GPS

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

P.S. Jonathan N. White
 2122



WVDEP
 OFFICE OF OIL & GAS
 601 57TH STREET
 CHARLESTON, WV 25304



DATE: November 08, 2011

OPERATORS WELL NO. SHIELDS-SOUTH NO. 1H

API WELL NO. 47-051-01533 H

STATE COUNTY PERMIT

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

LOCATION ELEVATION 1204' WATERSHED TRIBUTARY OF LONG RUN

DISTRICT FRANKLIN COUNTY MARSHALL

QUADRANGLE POWATAN POINT 7.5' LEASE NUMBER WV16-0070-001, WV16-0070-002, WV16-0005-000, WV16-0035-001, WV16-0035-002

SURFACE OWNER DONALD L. SHIELDS, ET AL ACREAGE 104.11

OIL & GAS ROYALTY OWNER DONALD SHIELDS, ET AL LEASE ACREAGE 293.05

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

PLUG & ABANDON CLEAN OUT & REPLUG

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' + Horizontal Leg

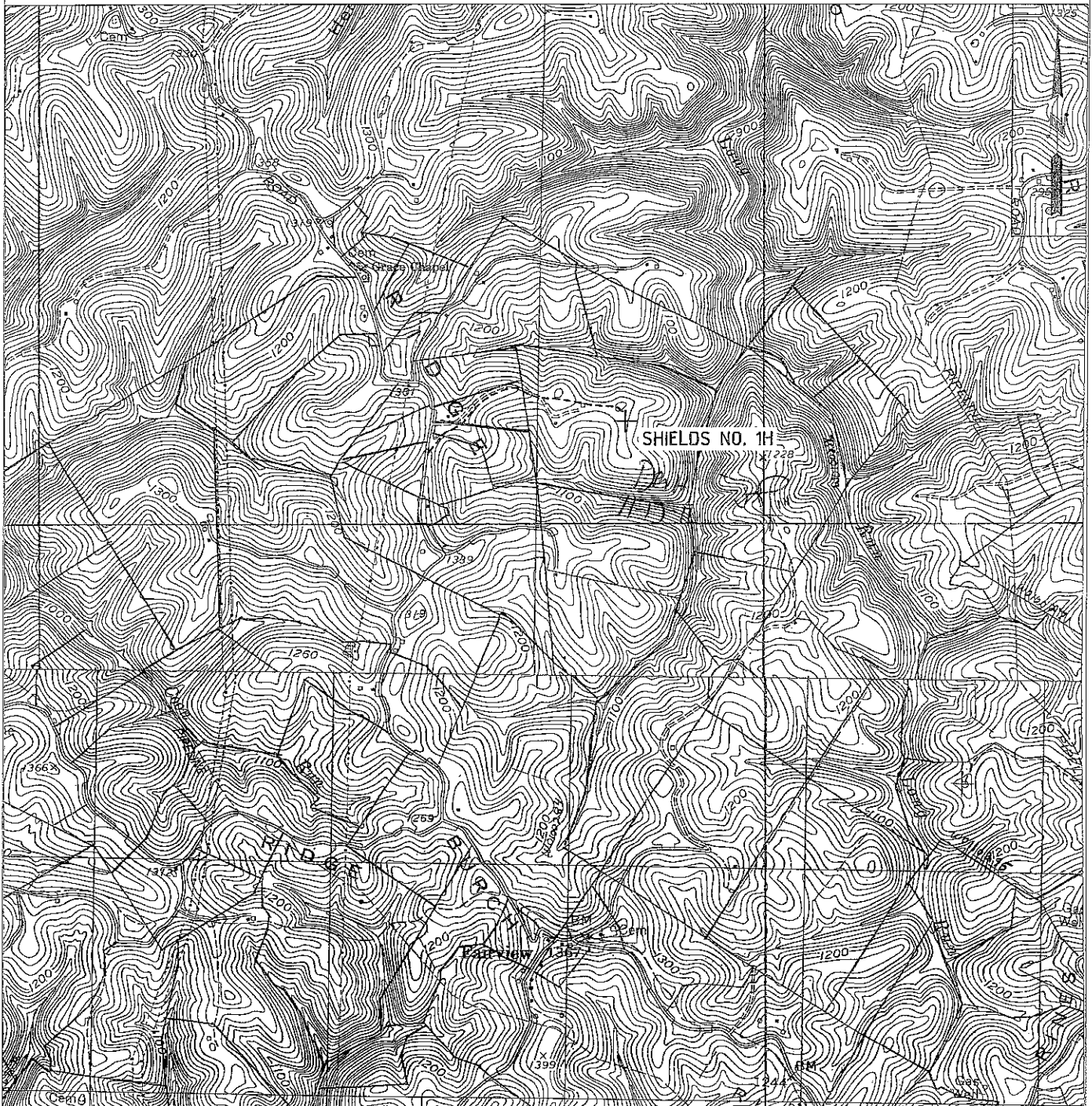
WELL OPERATOR GASTAR EXPLORATION USA, INC. DESIGNATED AGENT MICHAEL McCOWN

ADDRESS 229 W MAIN STREET, SUITE 301 CLARKSBURG WV, 26301 ADDRESS 229 W MAIN STREET, SUITE 301 CLARKSBURG WV, 26301

COUNTY NAME
 PERMIT

03/02/2012

**PROPOSED SHIELDS-SOUTH
WELL No. 1H**



RECEIVED Office of Oil & Gas NOV 22 2011 WO100286	OPERATOR GASTAR EXPLORATION USA, Inc. 229 W Main Street, Suite 301 Clarksburg, WV 26301	TOPO SECTION POWHATAN POINT 7.5' SCALE: 1"=2000'	LEASE NAME SHIELDS DATE: DATE: 11/04/11

WV Department of
Environmental Protection