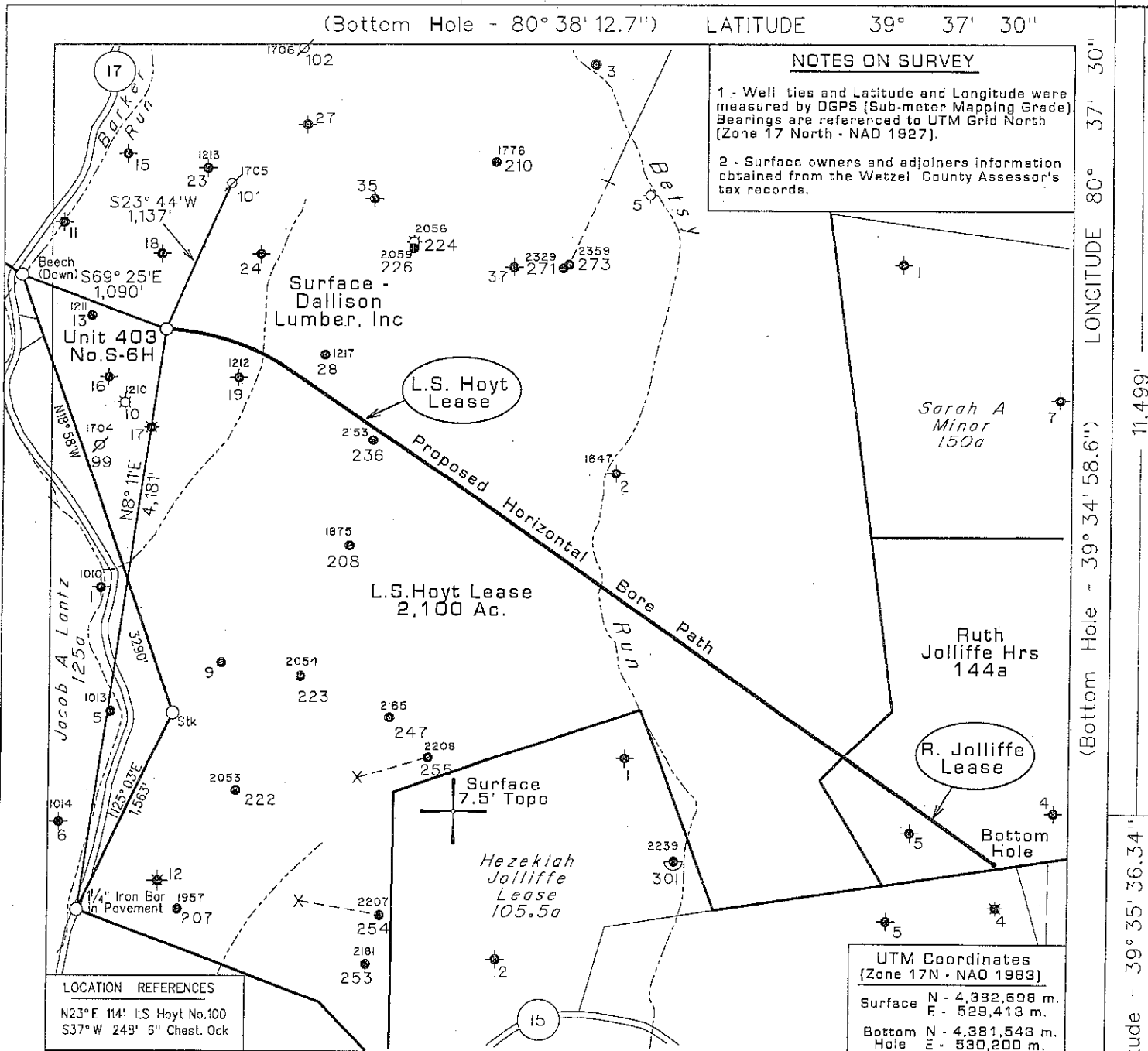


(Bottom Hole - 80° 38' 12.7")

LATITUDE 39° 37' 30"

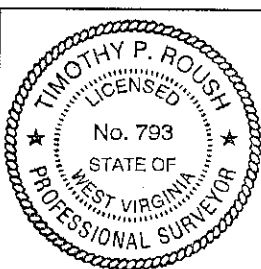


⊕ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. ◆ DENOTES A POSSIBLE WATER SUPPLY SOURCE LOCATED FROM CIRCA 2003 AERIAL PHOTOGRAPHY - NOT BY SURVEY. OTHER SOURCES MAY BE PRESENT.

FILE NO. 1047-15  
 MAP NO.      N      S      E      W  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY Sub-Meter  
 PROVEN SOURCE OF ELEVATION DGPS Survey  
 (Sub-Meter Mapping Grade)

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 MINES.

(SIGNED) *Timothy P. Roush*  
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA  
 Division of Environmental Protection  
 Office of Oil and Gas  
 601 57th Street  
 Charleston, West Virginia 25304



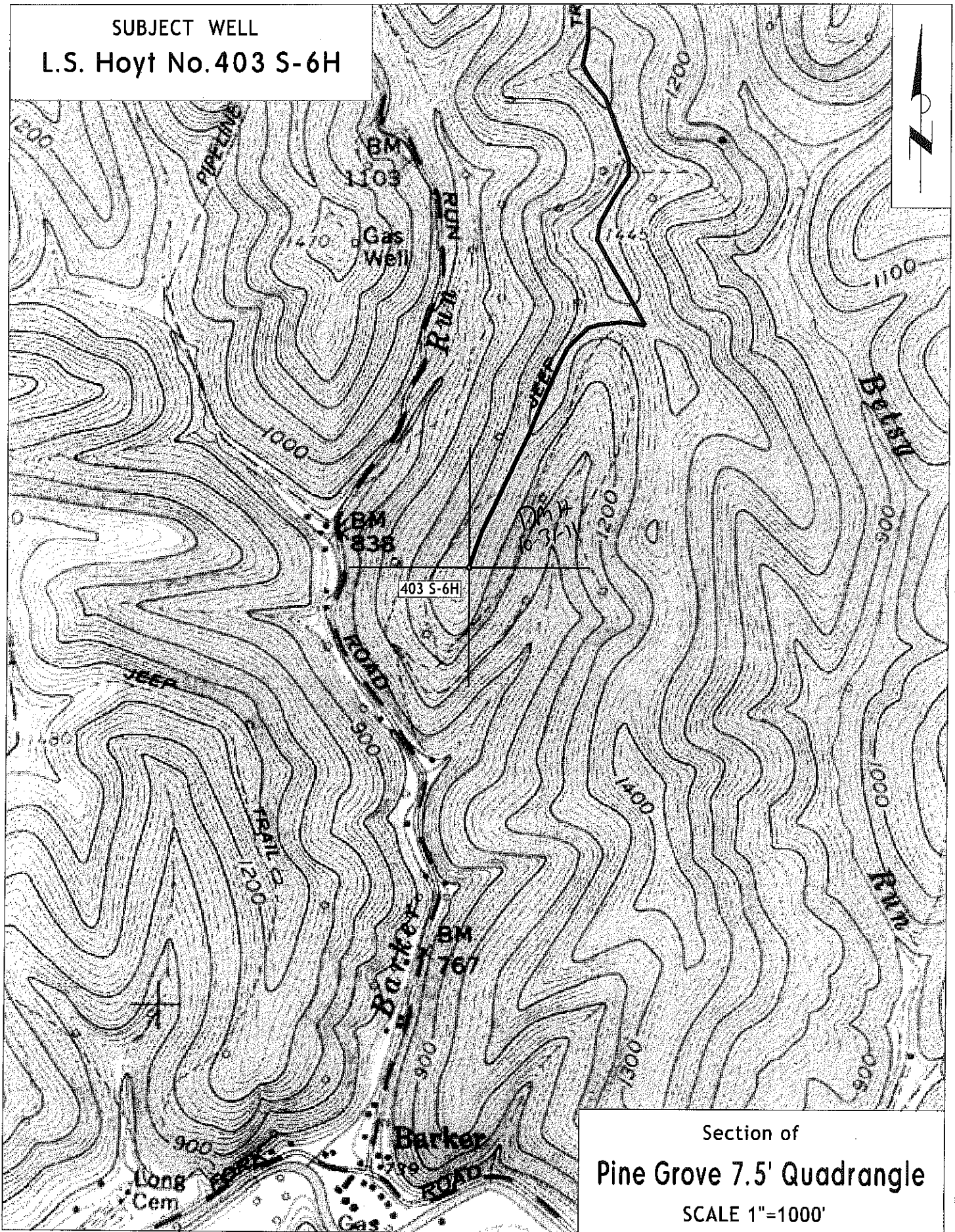
DATE October 24, 2011  
 FARM L.S. Hoyt 403 S-6H  
 API WELL NO. 47-103-02748H

WELL TYPE: OIL      GAS X LIQUID INJECTION      WASTE DISPOSAL      HORIZONTAL X  
 (IF "GAS") PRODUCTION X STORAGE      DEEP      SHALLOW X CBM       
 LOCATION: ELEVATION 1,250' WATERSHED Barker Run  
 DISTRICT Grant COUNTY Wetzel  
 QUADRANGLE Piné Grove 7.5'  
 SURFACE OWNER Dallison Lumber Inc. ACREAGE 2099.3 Ac.  
 OIL & GAS ROYALTY OWNER The Hoyt Foundation et al. LEASE ACREAGE 2100 Ac.  
 LEASE NO. 99191-00  
 PROPOSED WORK: DRILL X CONVERT      DRILL DEEPER      REDRILL      FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION      PERFORATE NEW FORMATION      OTHER PHYSICAL CHANGE IN WELL (SPECIFY)       
 PLUG AND ABANDON      CLEAN OUT AND REPLUG       
 TARGET FORMATION Marcellus Shale ESTIMATED DEPTH 7,075' TVD (14,755' MD)  
 WELL OPERATOR HG Energy, LLC DESIGNATED AGENT Mike Kirsch  
 ADDRESS P. O. Box 5519 ADDRESS P. O. Box 5519  
Vienna, W.Va. 26105 Vienna, W.Va. 26105

FORM IV-B

Longitude - 39° 35' 36.34" Latitude - 39° 34' 58.6"

SUBJECT WELL  
L.S. Hoyt No. 403 S-6H



Section of  
Pine Grove 7.5' Quadrangle  
SCALE 1"=1000'



west virginia department of environmental protection

Office of Oil and Gas  
601 57th Street SE  
Charleston, WV 25304  
(304) 926-0450  
(304) 926-0452 fax

Earl Ray Tomblin, Governor  
Randy C. Huffman, Cabinet Secretary  
www.dep.wv.gov

April 10, 2012

**WELL WORK PERMIT**

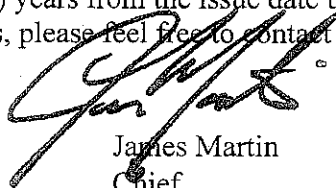
**Horizontal Well**

This permit, API Well Number: 47-10302748, issued to HG ENERGY, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.



James Martin  
Chief

Operator's Well No: L. S. HOYT 403 S-6H  
Farm Name: DALLISON LUMBER, INC.

**API Well Number: 47-10302748**

**Permit Type: Horizontal Well**

Date Issued: 04/10/2012

**Promoting a healthy environment.**

04/20/2012