

**SURFACE HOLE**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,402,841.7  
 E) 517,735.3  
 UTM. NAD83, ZONE 17  
 IN FEET  
 N) 14,444,990  
 E) 1,698,603

**LATITUDE**  
 12-14  
 A. HAMILTON  
 117.49 ACRES

**NOTES**  
 OWNERSHIP TAKEN FROM PUBLIC  
 RECORDS OF MARSHALL COUNTY,  
 WV IN JANUARY, 2012.  
 COORDINATES AND WELL TIES  
 BASED UPON DIFFERENTIAL GPS  
 MEASUREMENTS. WELL LOCATION  
 REFERENCES ARE BASED UPON  
 THE MAGNETIC MERIDIAN.

39° 47' 30"

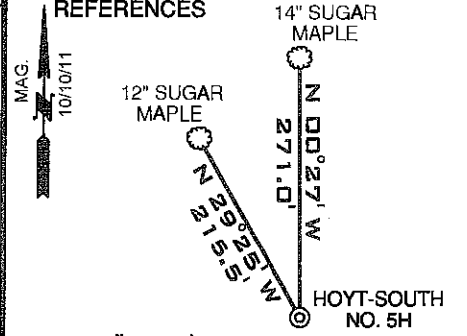
**NOTE: BORE PATH  
 BASED ON GRID NORTH.**

**TARGET POINT 1**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,402,739.2  
 E) 517,773.2  
 UTM. NAD83, ZONE 17  
 IN FEET  
 N) 14,444,654  
 E) 1,698,727

**HOYT LEASE  
 WELL NO. 5H  
 131.0± ACRES**

**BOTTOM HOLE**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,403,015.9  
 E) 517,190.8  
 UTM. NAD83, ZONE 17  
 IN FEET  
 N) 14,445,561  
 E) 1,696,817

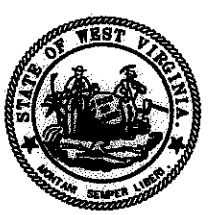
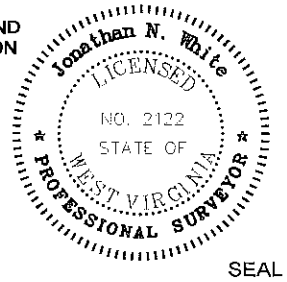
**LEGEND**  
 - - - - - LEASED TRACTS  
 - - - - - INTERIOR MINERAL TRACTS  
 - - - - - SURFACE TRACTS  
 - - - - - HARD LEASE LINE



FILE NUMBER W0100283 (WB1-28)  
 DRAWING NUMBER HOYT\_WP\_5H\_REV1  
 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: JULY 03, 2012  
 OPERATORS WELL NO. HOYT-SOUTH NO. 5H  
 API WELL NO. 47-051-01570H6A  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION ELEVATION 1364' WATERSHED \_\_\_ TRIBUTARY OF LONG RUN  
 DISTRICT FRANKLIN COUNTY MARSHALL  
 QUADRANGLE POWHATAN POINT 7.5' LEASE NUMBER WV16-0035-001, WV16-0035-002

SURFACE OWNER ROBERT L. & REBECCA SHIELDS AND DONALD SHIELDS ACREAGE 49.0  
 OIL & GAS ROYALTY OWNER ROBERT L. & REBECCA SHIELDS AND DONALD SHIELDS LEASE ACREAGE 131.0  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION \_\_\_  
 PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE (SPECIFY) \_\_\_  
 PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6575' + 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

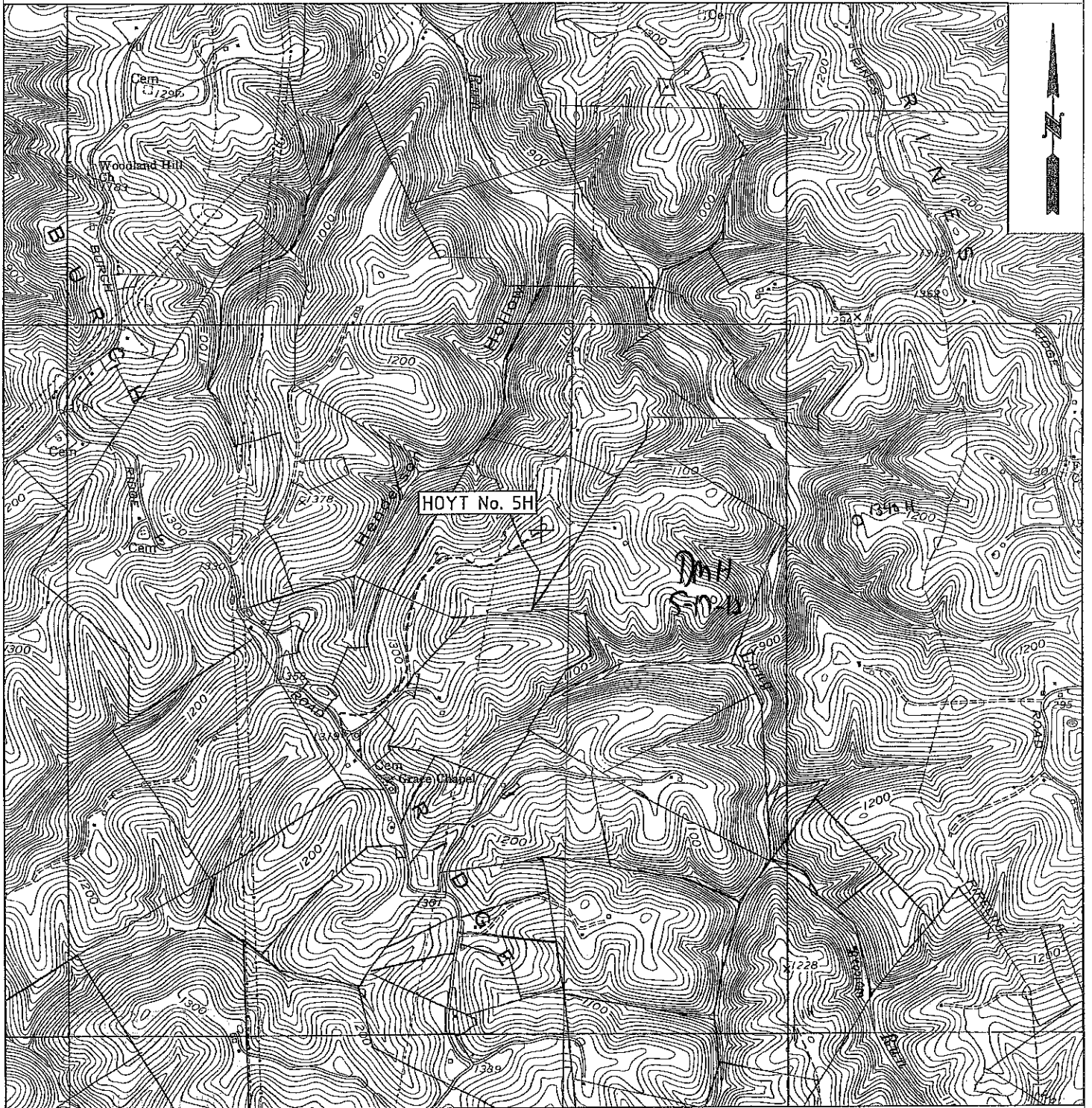
07/20/2012

5F01510

WW-9

# PROPOSED HOYT SOUTH WELL No. 5H

SUPPLEMENT PG 4



West Virginia Department of Environmental Protection  <b>W0100283</b>	<b>OPERATOR</b> GASTAR EXPLORATION USA, Inc. 229 W Main Street, Suite 301 Clarksburg, WV 26301	<b>TOPO SECTION</b> POWHATAN POINT 7.5'	<b>LEASE NAME</b> HOYT
		<b>SCALE:</b> 1"=2000'	<b>DATE:</b> DATE: 03/16/12