

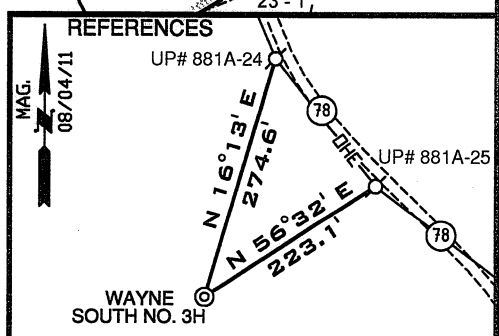
**NOTE: BORE PATH BASED ON GRID NORTH.**  
**TARGET POINT 1**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,399,486.9  
 E) 515,604.2  
 UTM. NAD83, ZONE 17  
 IN FEET  
 N) 14,433,983  
 E) 1,691,611

**SURFACE HOLE**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,399,555.1  
 E) 515,852.2  
 UTM. NAD83, ZONE 17  
 IN FEET  
 N) 14,434,207  
 E) 1,692,425

**BOTTOM HOLE**  
 UTM. NAD83, ZONE 17  
 IN METERS  
 N) 4,398,767.5  
 E) 517,232.0  
 UTM. NAD83, ZONE 17  
 IN FEET  
 N) 14,431,623  
 E) 1,696,952

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

**NOTES**  
 OWNERSHIP TAKEN FROM PUBLIC RECORDS OF MARSHALL COUNTY, WV IN JUNE, 2011.  
 COORDINATES AND WELL TIES BASED UPON DIFFERENTIAL GPS MEASUREMENTS. WELL LOCATION REFERENCES ARE BASED UPON THE MAGNETIC MERIDIAN.



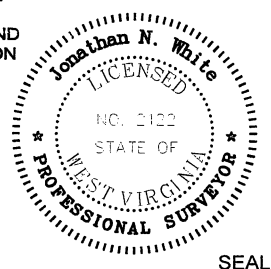
(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

SCALE 1"=200'

FILE NUMBER W0100293 (WB1-17)  
 DRAWING NUMBER W0100293\_WP3H  
 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: AUGUST 16, 2011

OPERATORS WELL NO. WAYNE-SOUTH NO. 3H  
 API WELL NO. 47-051-01522H  
 STATE COUNTY PERMIT

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

LOCATION ELEVATION 1354' WATERSHED SIMS RUN

DISTRICT FRANKLIN COUNTY MARSHALL  
 QUADRANGLE NEW MARTINSVILLE 7.5' LEASE NUMBER WV16-0076-001, 1256203-001

SURFACE OWNER PPG INDUSTRIES, INC. ACREAGE 61.49  
 OIL & GAS ROYALTY OWNER PPG INDUSTRIES, INC., ET AL LEASE ACREAGE 341.48

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

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,725' + 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

# PROPOSED WAYNE WELL No. 3H



RECEIVED  
 STATE OF WEST VIRGINIA  
 DEPARTMENT OF  
 ENVIRONMENTAL PROTECTION

|                 |   |                       |                |
|-----------------|---|-----------------------|----------------|
| <b>W0100293</b> | OPERATOR  | TOPO SECTION          | LEASE NAME     |
|                 | GASTAR EXPLORATION<br>USA, Inc.<br>229 W Main Street, Suite 301<br>Clarksburg, WV 26301 | NEW MARTINSVILLE 7.5' | WAYNE          |
|                 |   | SCALE:                | DATE:          |
|                 |   | 1"=2000'              | DATE: 08/17/11 |