

LATITUDE 39°20'00"

9,474'

1,765' TO BOTTOM HOLE  
LATITUDE 39°22'30"

**Antero Resources  
Appalachian Corporation  
Well No. Heflin Unit 2H**

**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 300,159ft E: 1,660,457ft  
 LAT: 39°19'04.39" LON: 80°42'00.55"  
**BOTTOM HOLE INFORMATION:**  
 N: 308,120ft E: 1,656,484ft  
 LAT: 39°20'22.54" LON: 80°42'52.47"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

**(NAD) 83 (UTM) ZONE 17 COORDS:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 4,352,106m E: 525,863m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,354,511m E: 524,612m

**REFERENCES**



WV NORTH ZONE  
GRID NORTH

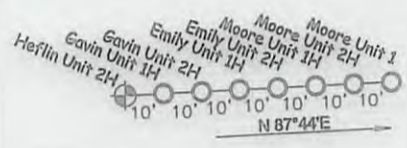
LONGITUDE 80°42'30"

12,895' TO BOTTOM HOLE

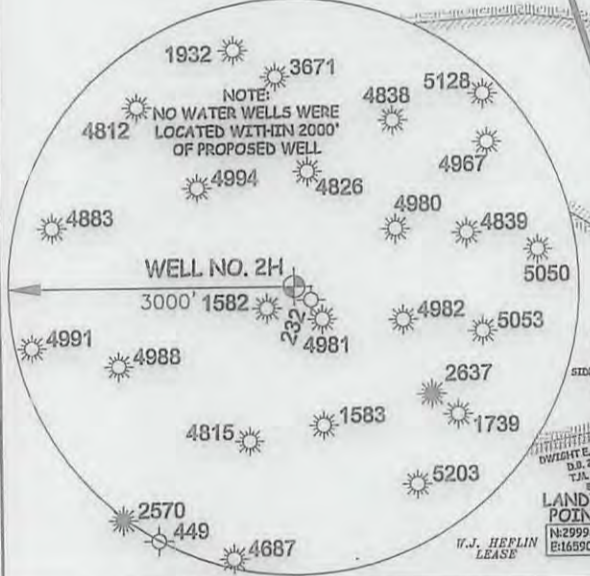
5,626'  
LONGITUDE 80°40'00"



**PAD LAYOUT**



NOT TO SCALE



JOB # 12-158WA  
 DRAWING # HEFLIN2HR2  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS  
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL    GAS X LIQUID INJECTION    WASTE DISPOSAL     
 (IF "GAS") PRODUCTION X STORAGE    DEEP    SHALLOW X  
 LOCATION: ELEVATION 1,237' WATERSHED WOLFPEN RUN  
 QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT COUNTY DODDRIDGE  
 SURFACE OWNER DWIGHT E. & TINA M. MOORE ACREAGE 111.04 ACRES +/-  
 OIL & GAS ROYALTY OWNER DWIGHT MOORE ET UX; W.J. HEFLIN; JOHNSON WILLIAMS; JAMES SIMPSON ET AL; ELIZABETH SHANKOUICH; JOHNSON WILLIAMS ET UX; HOPE NATURAL GAS; DEPI LEASE ACREAGE 230 ACRES±; 89 ACRES±; 52.9 ACRES±; 40 ACRES±; 53 ACRES±; 100 ACRES±; 147.5 ACRES±; 65.10 ACRES±  
 PROPOSED WORK: DRILL X CONVERT    DRILL DEEPER    REDRILL    FRACTURE OR STIMULATE X  
 PLUG OFF OLD FORMATION    PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY)     
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,300' TVD 18,900' MD  
 WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM  
DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD  
   ADDRESS CHARLESTON, WV 25313

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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

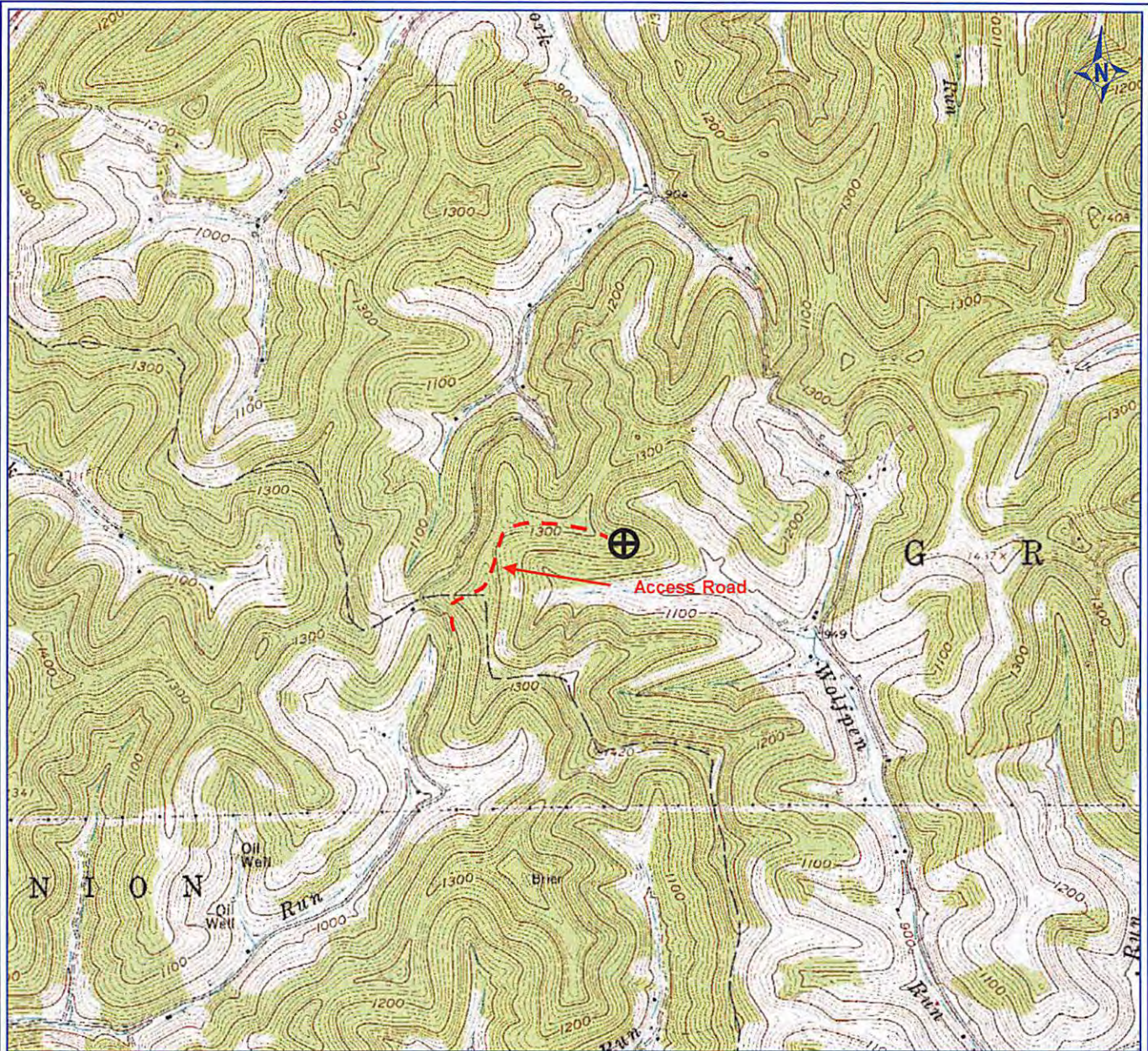


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
 WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

**LEGEND**  
 ----- Surface Owner Boundary Lines +/-  
 - - - - - Interior Surface Tracts +/-  
 - - - - - Existing Fence  
 ⊕ Found monument, as noted

*Dyck*  
 DOUGLAS R. ROWE P.S. 2202  
 DATE 05/22/13  
 OPERATOR'S WELL# HEFLIN UNIT #2H  
 API WELL # 47 - 017 **630/H6A**  
 STATE COUNTY PERMIT  
 COUNTY NAME PERMIT

08/02/2013



PETRA 7/11/2012 2:06:45 PM

Received  
Office of Oil & Gas

JUN 13 2013

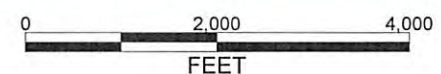
### Antero Resources Corporation

APPALACHIAN BASIN

Heflin Unit 2H

Doddridge County

REMARKS  
 QUADRANGLE: SMITHBURG  
 WATERSHED: MIDDLE ISLAND CREEK  
 DISTRICT: GRANT



July 11, 2012