

LATITUDE 39°20'00"

9,443'

505' TO BOTTOM HOLE
LATITUDE 39°22'30"

5,624'

LONGITUDE 80°42'30"

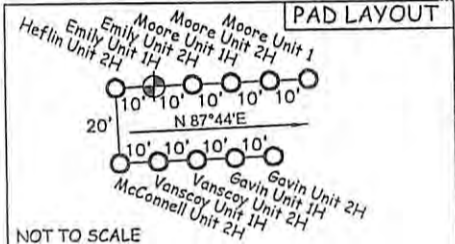
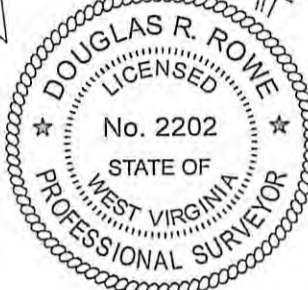
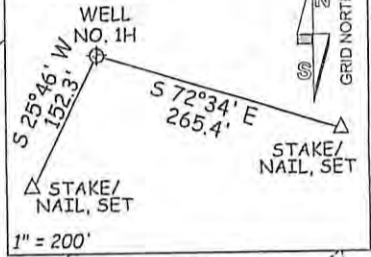
LONGITUDE 80°40'00"

Antero Resources
Appalachian Corporation
Well No. Emily Unit 1H

NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 300,160ft E: 1,660,488ft
LAT: 39°19'04.41" LON: 80°42'00.15"
BOTTOM HOLE INFORMATION:
N: 306,393ft E: 1,657,720ft
LAT: 39°20'05.64" LON: 80°42'36.44"
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 1H TOP HOLE INFORMATION:
N: 4,352,107m E: 525,872m
BOTTOM HOLE INFORMATION:
N: 4,353,991m E: 524,997m

REFERENCES



JOB # 12-062WA
DRAWING # EMILYUNIT1HR1
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. 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 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

DOUGLAS R. ROWE P.S. 2202

DATE 10/03/12

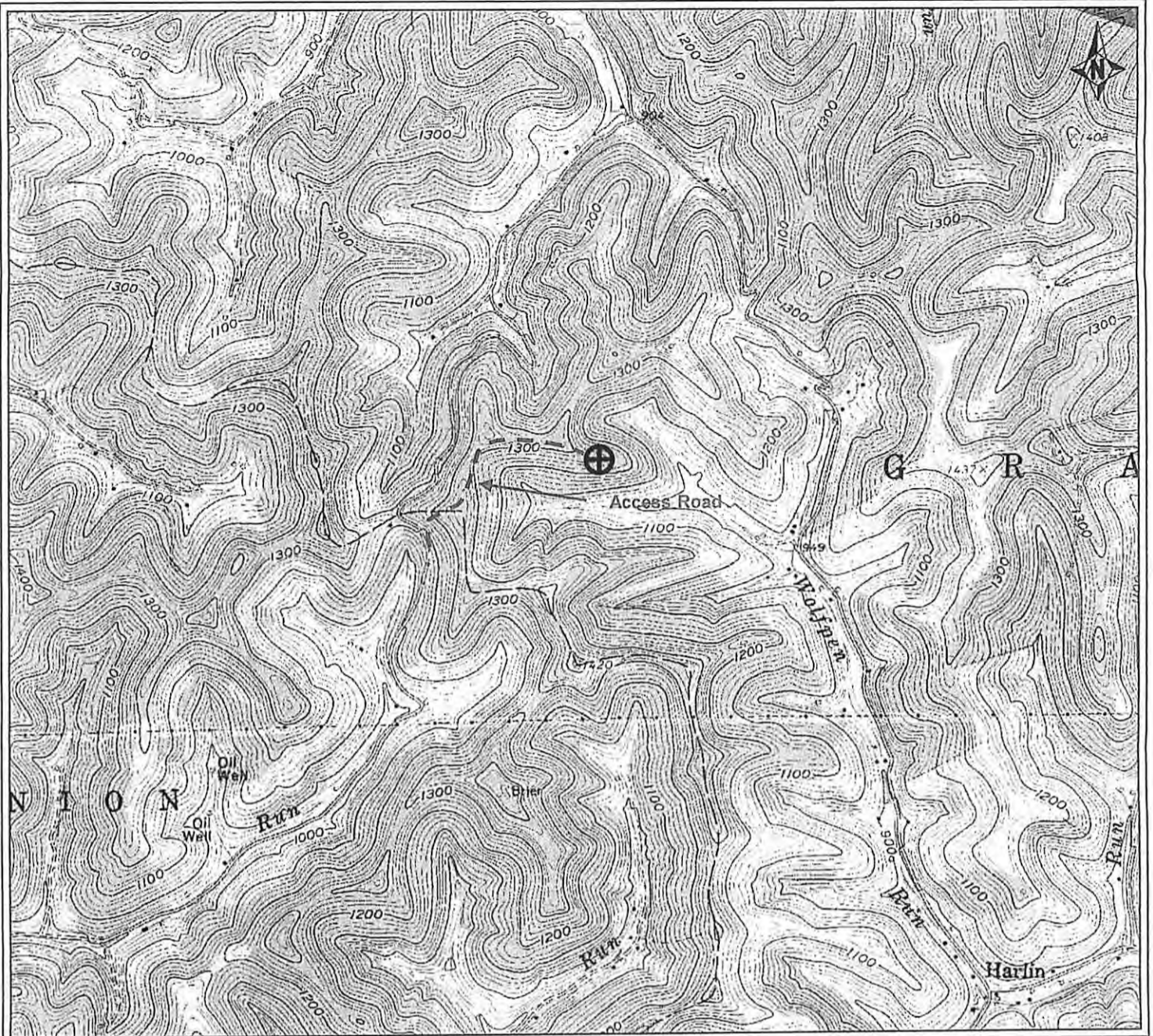
OPERATOR'S WELL# EMILY UNIT #1H

API WELL # 47 - 017 - 06166 H6A

STATE COUNTY PERMIT

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS
WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1,237' WATERSHED WOLFFPEN 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; EMILY CHAPMAN ET AL; JAMES SIMPSON ET AL; RUSSELL FLINT; JOHNSON WILLIAMS ET UX; C.A. CARTER LEASE ACREAGE 238 ACRES±; 116 ACRES±; 40 ACRES±; 53 ACRES±; 100 ACRES±; 147.5 ACRES±
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___ PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,300' TVD 15,500' MD
WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT CT CORPORATION SYSTEM
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

02/01/2013



PETRA 7/11/2012 8:31:31 AM

17-06106

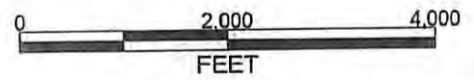
Antero Resources Corporation

APPALACHIAN BASIN

Emily Unit 1H

Doddridge County

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



July 11, 2012