

LATITUDE 39°20'00"

2.976'

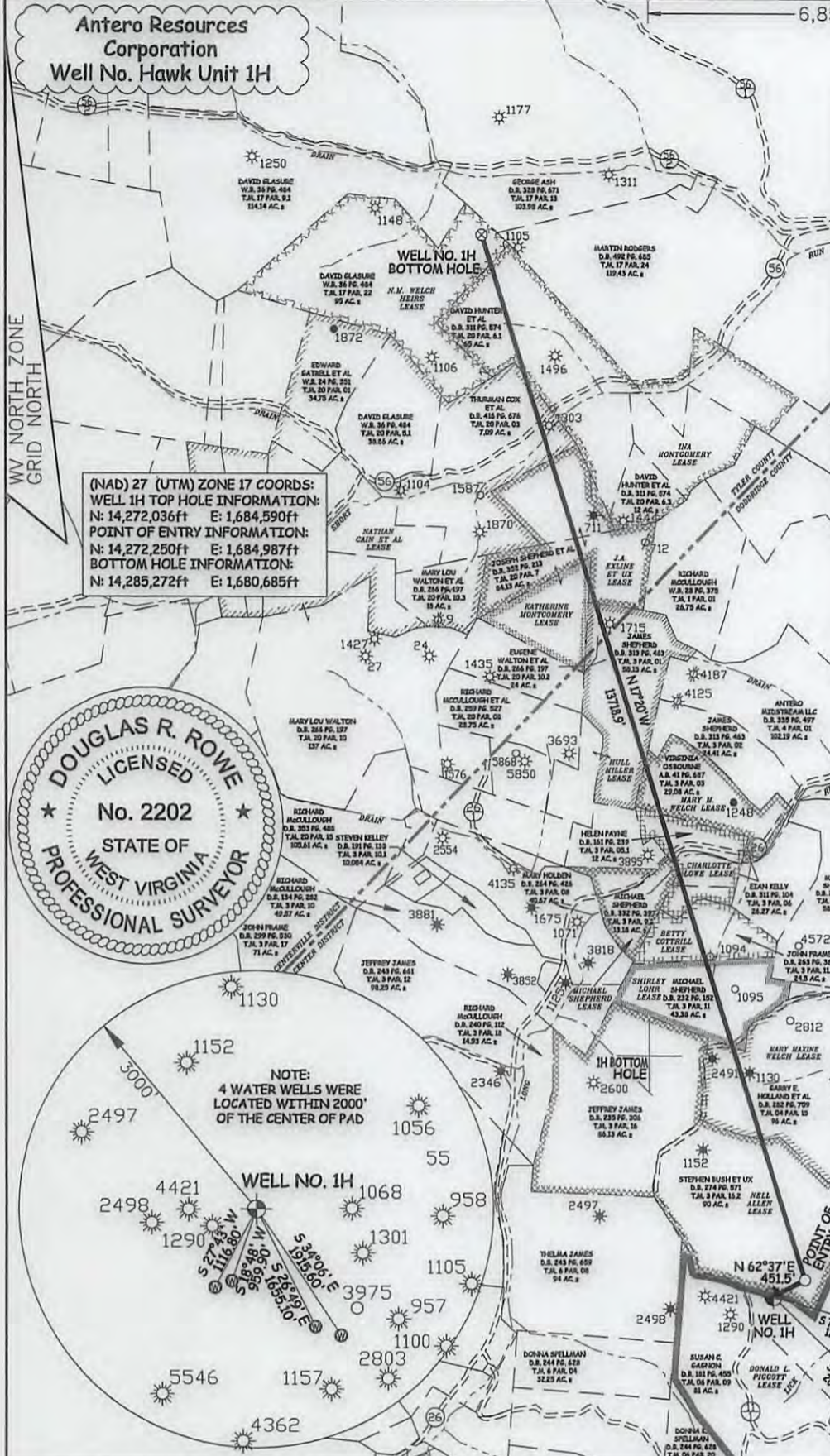
6,857' TO BOTTOM HOLE  
LATITUDE 39°22'30"

LONGITUDE 80°50'00"

11,310'

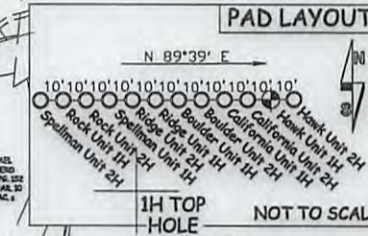
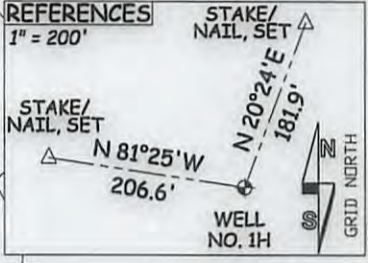
13,239' TO BOTTOM HOLE

LONGITUDE 80°50'00"



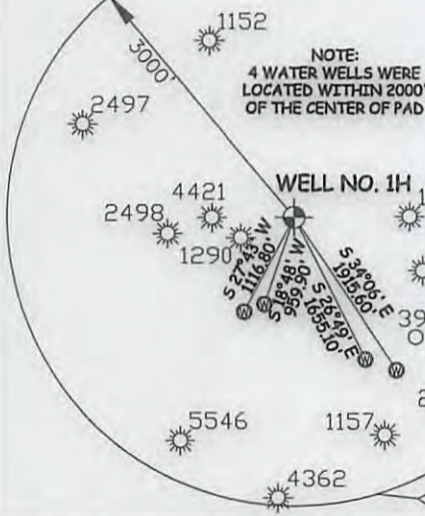
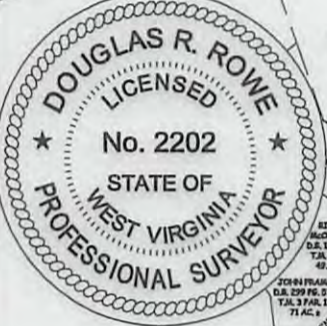
**NOTES:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 295,052ft E: 1,619,720ft  
 LAT: 39°18'08.22" LON: 80°50'37.85"  
**BOTTOM HOLE INFORMATION:**  
 N: 308,356ft E: 1,616,036ft  
 LAT: 39°20'19.16" LON: 80°51'27.28"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS 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: 4,350,343m E: 513,479m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,354,377m E: 512,288m



**NOTE**  
 NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

**(NAD) 27 (UTM) ZONE 17 COORDS:**  
**WELL 1H TOP HOLE INFORMATION:**  
 N: 14,272,036ft E: 1,684,590ft  
**POINT OF ENTRY INFORMATION:**  
 N: 14,272,250ft E: 1,684,987ft  
**BOTTOM HOLE INFORMATION:**  
 N: 14,285,272ft E: 1,680,685ft



JOB # 16-059WA  
 DRAWING # HAWK1H  
 SCALE 1" = 2000'

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 1,135' PROPOSED - 1,160' ORIGINAL WATERSHED HEADWATERS MIDDLE ISLAND CREEK  
 QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE

SURFACE OWNER JEFFREY K. JONES SR. ET AL  
 OIL & GAS ROYALTY OWNER DONALD L. PIGGOTT; NELL ALLEN; MARY MAXINE WELCH;  
 SHIRLEY LOHR; BETTY COTTRILL; CHARLOTTE LOWE; MICHAEL SHEPHERD; MARY M. WELCH; HULL MILLER, J.A. EXLINE ET UX;  
 KATHERINE MONTGOMERY; NATHAN CAIN ET AL; INA MONTGOMERY; N.M. WELCH HEIRS  
 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 6,800' TVD 21,100' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 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 RULES 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 Boundary Lines +/-  
 - - - - - Interior Surface Tracts +/-  
 - x - x - x - Existing Fence  
 ⊕ Found monument, as noted

DOUGLAS R. ROWE P.S. 2202

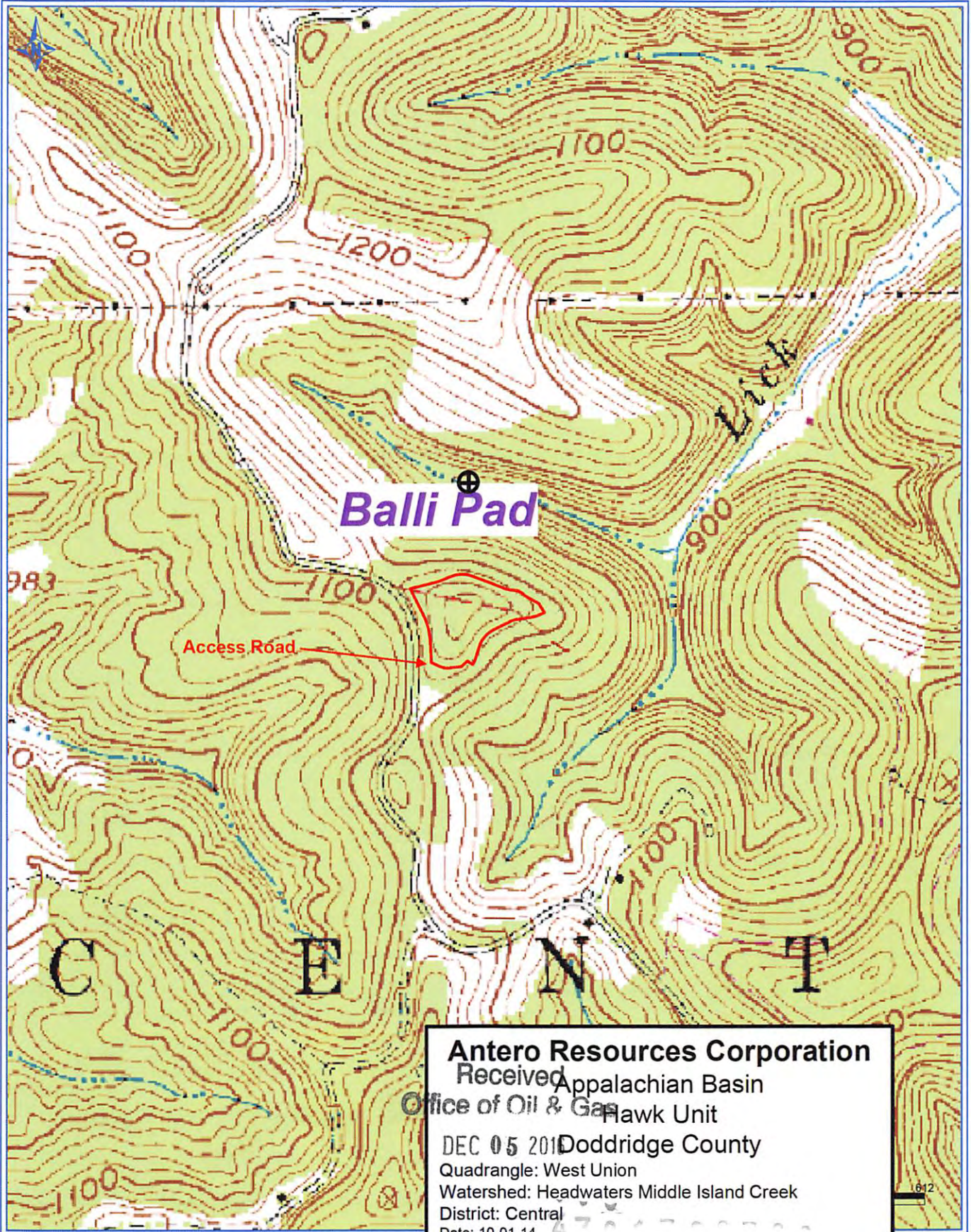
DATE 11/29/16  
 OPERATOR'S WELL# HAWK UNIT #1H

API WELL # 47 - 017 - 06792 HCA

STATE COUNTY PERMIT

ACREAGE 77.32 ACRES +/-  
 LEASE ACREAGE 81 AC±; 176 AC±; 96 AC±;  
 36.38 AC±; 24.5 AC±; 24.5 AC±; 13.18 AC±; 29.08 AC±; 53.8 AC±; 60 AC±;  
 26.13 AC±; 278 AC±; 142.25 AC±; 95 AC±

02/10/2017



PETRA 10/1/2014 10:02:45 AM

02/10/2017