

LATITUDE 39°22'30"

4,847'

8,789' TO BOTTOM HOLE

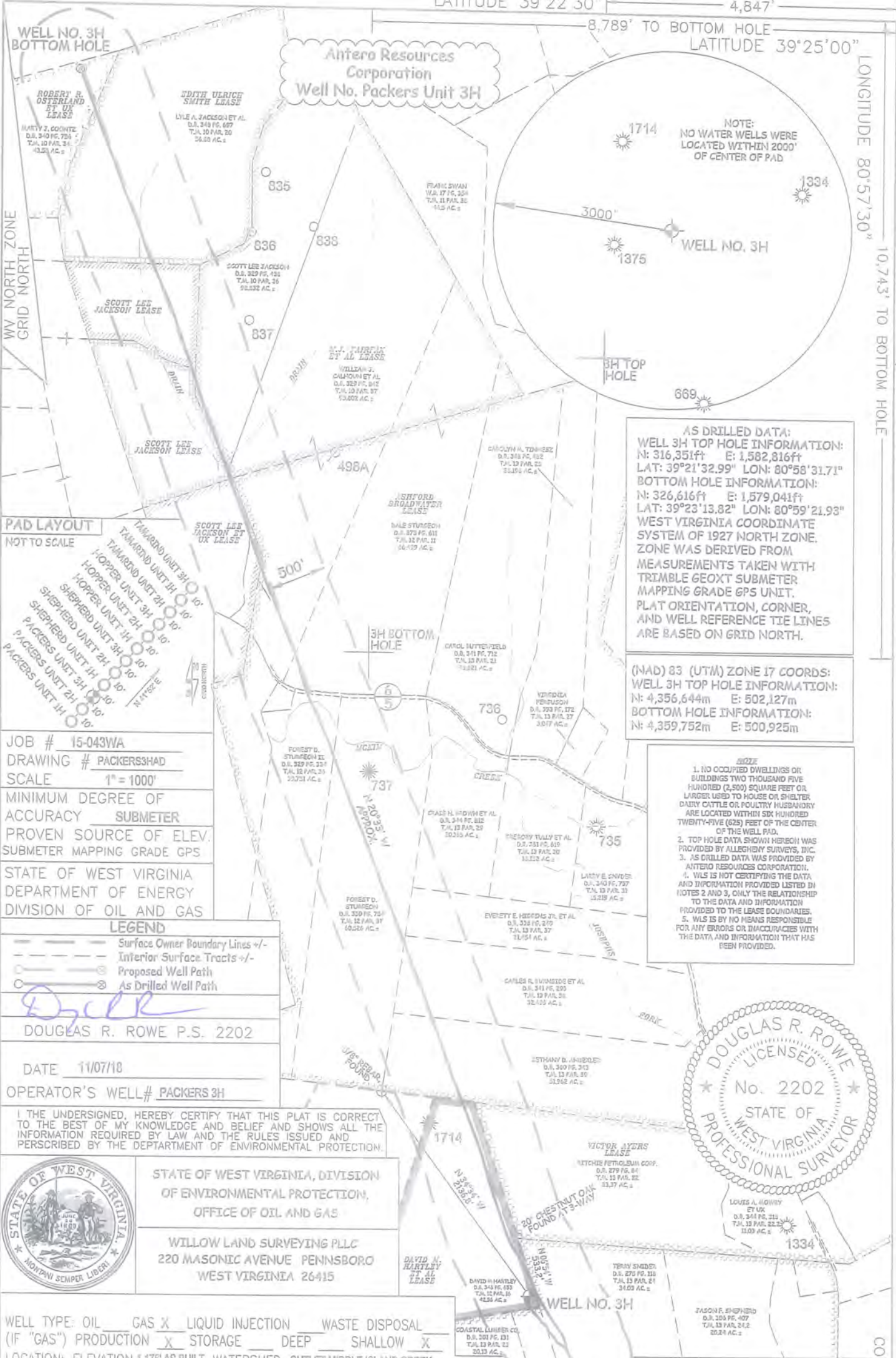
LATITUDE 39°25'00"

LONGITUDE 80°57'30"

5,769'

10,743' TO BOTTOM HOLE

LONGITUDE 80°57'30"



**AS DRILLED DATA:**  
**WELL 3H TOP HOLE INFORMATION:**  
 N: 316,351ft E: 1,582,816ft  
 LAT: 39°21'32.99" LON: 80°58'31.71"  
**BOTTOM HOLE INFORMATION:**  
 N: 326,616ft E: 1,579,041ft  
 LAT: 39°23'13.82" LON: 80°59'21.93"  
 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 3H TOP HOLE INFORMATION:**  
 N: 4,356,644m E: 502,127m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,359,752m E: 500,925m

- NOTES**
1. 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.
  2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
  3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
  4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
  5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

**PAD LAYOUT**  
 NOT TO SCALE

TAMARIND UNIT 3H 10' x 10'  
 TAMARIND UNIT 2H 10' x 10'  
 HOPPER UNIT 3H 10' x 10'  
 HOPPER UNIT 2H 10' x 10'  
 SHEPHERD UNIT 3H 10' x 10'  
 SHEPHERD UNIT 2H 10' x 10'  
 PACKERS UNIT 3H 10' x 10'  
 PACKERS UNIT 2H 10' x 10'

JOB # 15-043WA  
 DRAWING # PACKERS3HAD  
 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

**LEGEND**

- Surface Owner Boundary Lines +/-
- Inferior Surface Tracts +/-
- Proposed Well Path
- As Drilled Well Path

DOUGLAS R. ROWE P.S. 2202

DATE 11/07/18

OPERATOR'S WELL# PACKERS 3H

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 AVENUE PENNSBORO WEST VIRGINIA 26415

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1,178' AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK  
 QUADRANGLE PENNSBORO 7.5' SHL MIDDLEBOURNE 7.5 BHL  
 DISTRICT MEADE COUNTY TYLER

SURFACE OWNER DAVID M. HARTLEY ACREAGE 42.56 ACRES +/-  
 OIL & GAS ROYALTY OWNER DAVID M. HARTLEY ET AL; TERRY L. SNIDER; ASHFORD BROADWATER; LEASE ACREAGE 42.56 AC±; 221.24 AC±; 583.712 AC±;  
SCOTT LEE JACKSON ET UX; SCOTT LEE JACKSON; M.J. FAIRFAX ET AL; SCOTT LEE JACKSON; EDITH ULRICH SMITH; ROBERT R. OSTERLAND ET UX 23.60 AC±; 29.04 AC±; 120 AC±; 22.90 AC±; 56.88 AC±; 49.15 AC±

PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_  
 PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED  
 TARGET FORMATION MARCELLUS PLUG & ABANDON \_\_\_ CLEAN OUT & REPLUG \_\_\_  
 WELL OPERATOR ANTERO RESOURCES CORPORATION ESTIMATED DEPTH 6,431' TVD 17,671' MD  
 ADDRESS 1615 WYNKOOP STREET DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM

FORM WW-6 DENVER, CO 80202

API WELL # 47 - 095 - 02392  
 STATE COUNTY PERMIT  
 COUNTY NAME  
 PERMIT

