

LATITUDE 39°25'00"

8,174'

3,006' TO BOTTOM HOLE

2H BOTTOM HOLE

LATITUDE 39°22'30"

124' TO BOTTOM HOLE

5,993'

LONGITUDE 80°52'30"

Antero Resources Corporation  
Well No. Spock Unit 2H

NOTES:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 330,976ft E: 1,603,279ft  
 LAT: 39°24'00.77" LON: 80°54'14.13"  
 BOTTOM HOLE INFORMATION:  
 N: 321,590ft E: 1,608,304ft  
 LAT: 39°22'28.78" LON: 80°53'08.28"  
 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.

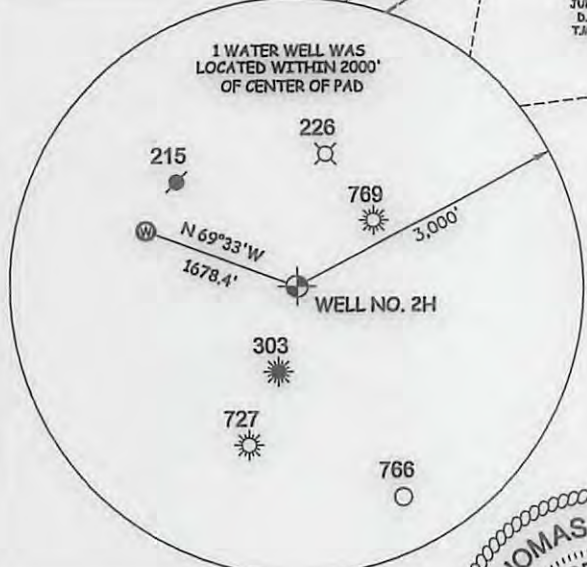
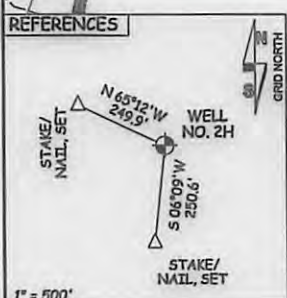
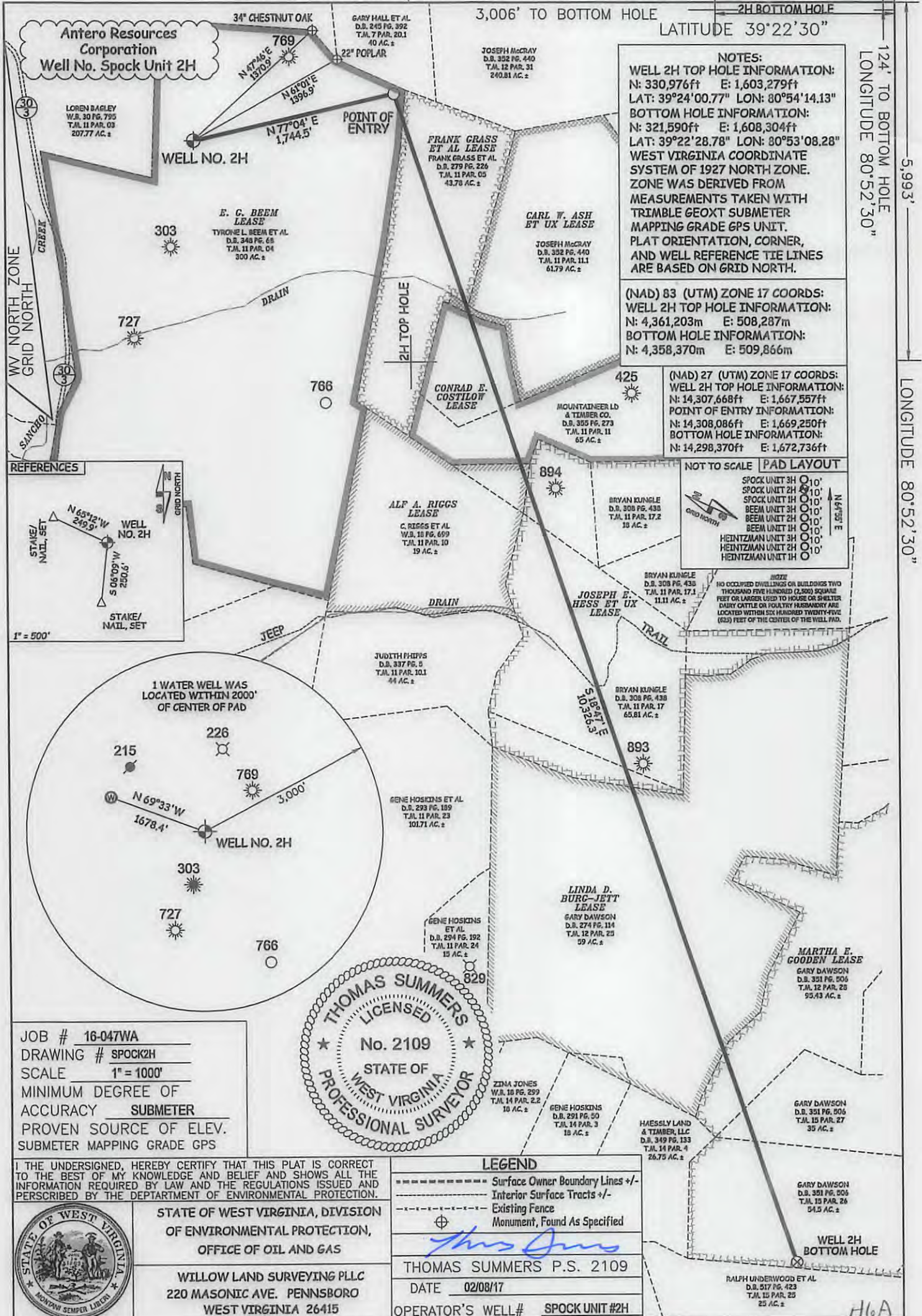
(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 4,361,203m E: 508,287m  
 BOTTOM HOLE INFORMATION:  
 N: 4,358,370m E: 509,866m

(NAD) 27 (UTM) ZONE 17 COORDS:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 14,307,668ft E: 1,667,557ft  
 POINT OF ENTRY INFORMATION:  
 N: 14,308,086ft E: 1,669,250ft  
 BOTTOM HOLE INFORMATION:  
 N: 14,298,370ft E: 1,672,736ft

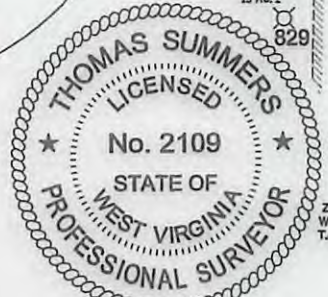
NOT TO SCALE PAD LAYOUT

SPOCK UNIT 3H	10'
SPOCK UNIT 2H	10'
SPOCK UNIT 1H	10'
BEEHIVE UNIT 3H	10'
BEEHIVE UNIT 2H	10'
BEEHIVE UNIT 1H	10'
HEINTZMAN UNIT 3H	10'
HEINTZMAN UNIT 2H	10'
HEINTZMAN UNIT 1H	10'

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



JOB # 16-047WA  
 DRAWING # SPOCK2H  
 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  
 ⊕ Monument, Found As Specified

THOMAS SUMMERS P.S. 2109  
 DATE 02/08/17  
 OPERATOR'S WELL# SPOCK UNIT #2H

STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL

(IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION 1,142' ORIGINAL 1,115' PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK

QUADRANGLE TH - MIDDLEBOURNE 7.5' BH - PENNSBORO 7.5' DISTRICT CENTERVILLE COUNTY TYLER

SURFACE OWNER TYRONEL BEEM ET AL ACREAGE 300 ACRES +/-

OIL & GAS ROYALTY OWNER E. G. BEEM; FRANK GRASS ET AL; CARL W. ASH ET UX; CONRAD E. COSTILOW; ALF A. RIGGS; JOSEPH E. HESS ET UX; LINDA D. BURG-JETT; MARTHA E. GOODEN LEASE ACREAGE 317 AC +/-; 43.78 AC +/-; 61.26 AC +/-; 64.42 AC +/-; 19.4 AC +/-; 94.92 AC +/-; 178 AC +/-; 184.95 AC +/-

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 6,800' TVD 18,300' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1815 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

API WELL # 47 - 095 - 02427 COUNTY NAME TYLER COUNTY PERMIT 05/12/2017

