

LATITUDE 39°22'30"

10,045'

LATITUDE 39°25'00"

1,902' TO BOTTOM HOLE

3,699'

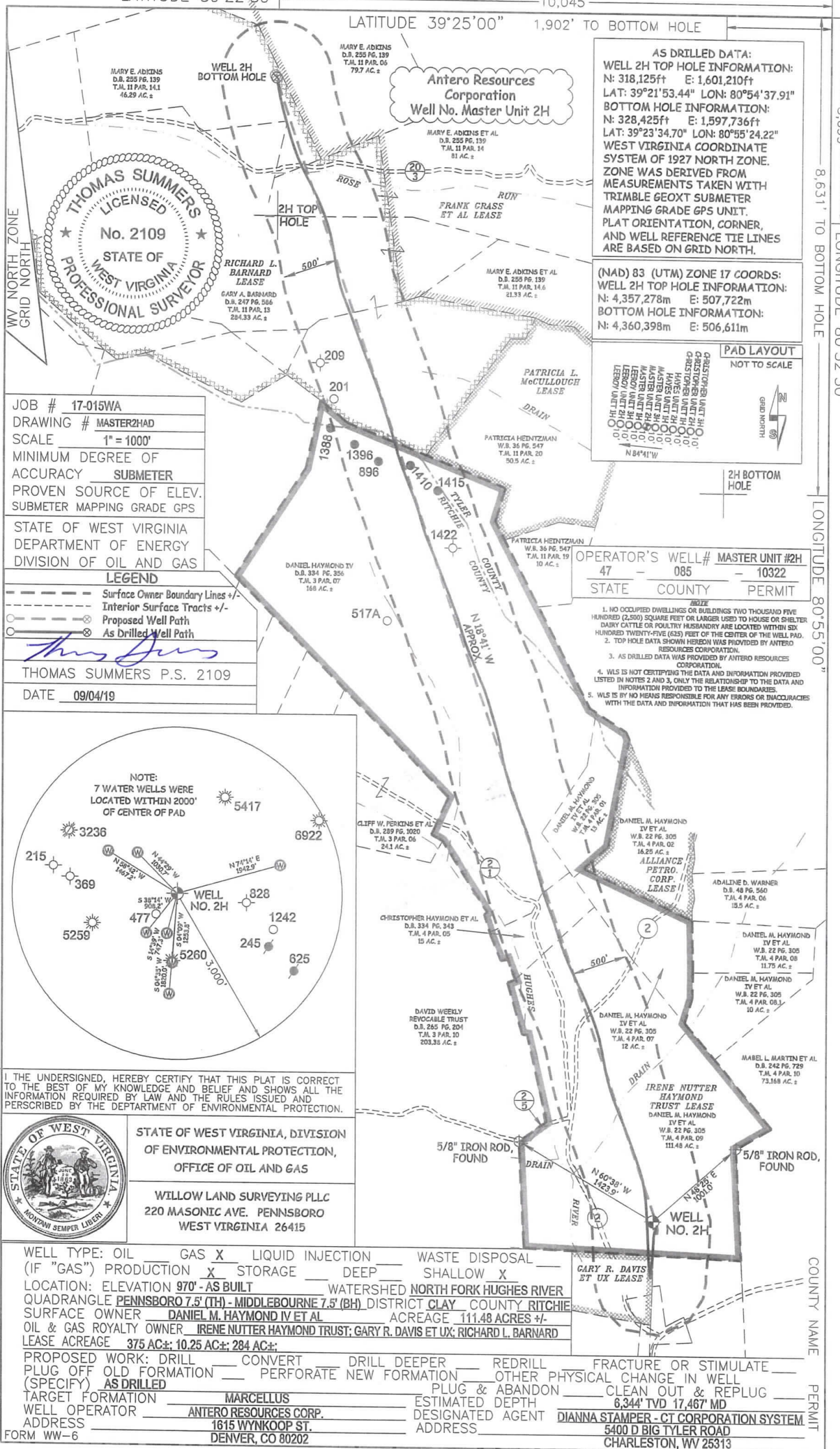
8,631' TO BOTTOM HOLE

LONGITUDE 80°52'30"

LONGITUDE 80°55'00"

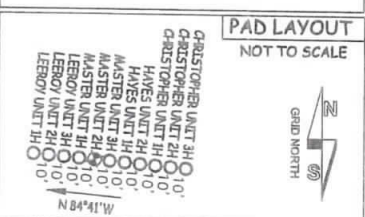
COUNTY NAME

PERMIT



**AS DRILLED DATA:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 318,125ft E: 1,601,210ft  
 LAT: 39°21'53.44" LON: 80°54'37.91"  
**BOTTOM HOLE INFORMATION:**  
 N: 328,425ft E: 1,597,736ft  
 LAT: 39°23'34.70" LON: 80°55'24.22"  
 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: 4,357,278m E: 507,722m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,360,398m E: 506,611m



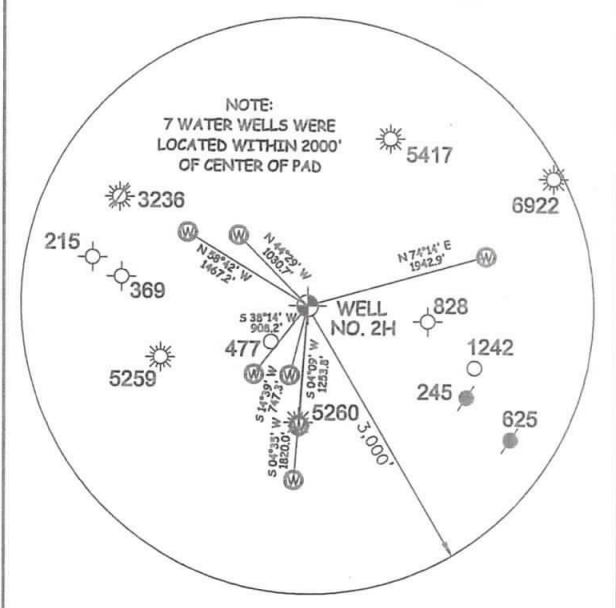
JOB # 17-015WA  
 DRAWING # MASTER2HAD  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS  
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

**LEGEND**  
 - - - Surface Owner Boundary Lines +/-  
 - - - Interior Surface Tracts +/-  
 - - - Proposed Well Path  
 - - - As Drilled Well Path

THOMAS SUMMERS P.S. 2109  
 DATE 09/04/19

OPERATOR'S WELL#	MASTER UNIT #2H
47 - 085 - 10322	
STATE	COUNTY PERMIT

- 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.
  - TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
  - AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
  - 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.
  - WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.



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

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 970' - AS BUILT \_\_\_\_\_ WATERSHED NORTH FORK HUGHES RIVER  
 QUADRANGLE PENNSBORO 7.5' (TH) - MIDDLEBOURNE 7.5' (BH) DISTRICT CLAY COUNTY RITCHIE  
 SURFACE OWNER DANIEL M. HAYMOND IV ET AL ACREAGE 111.48 ACRES +/-  
 OIL & GAS ROYALTY OWNER IRENE NUTTER HAYMOND TRUST; GARY R. DAVIS ET UX; RICHARD L. BARNARD  
 LEASE ACREAGE 375 AC±; 10.25 AC±; 284 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 CORP. ESTIMATED DEPTH 6,344' TVD 17,467' MD  
 ADDRESS 1615 WYNKOOP ST. ADDRESS DIANNA STAMPER - CT CORPORATION SYSTEM  
 DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313