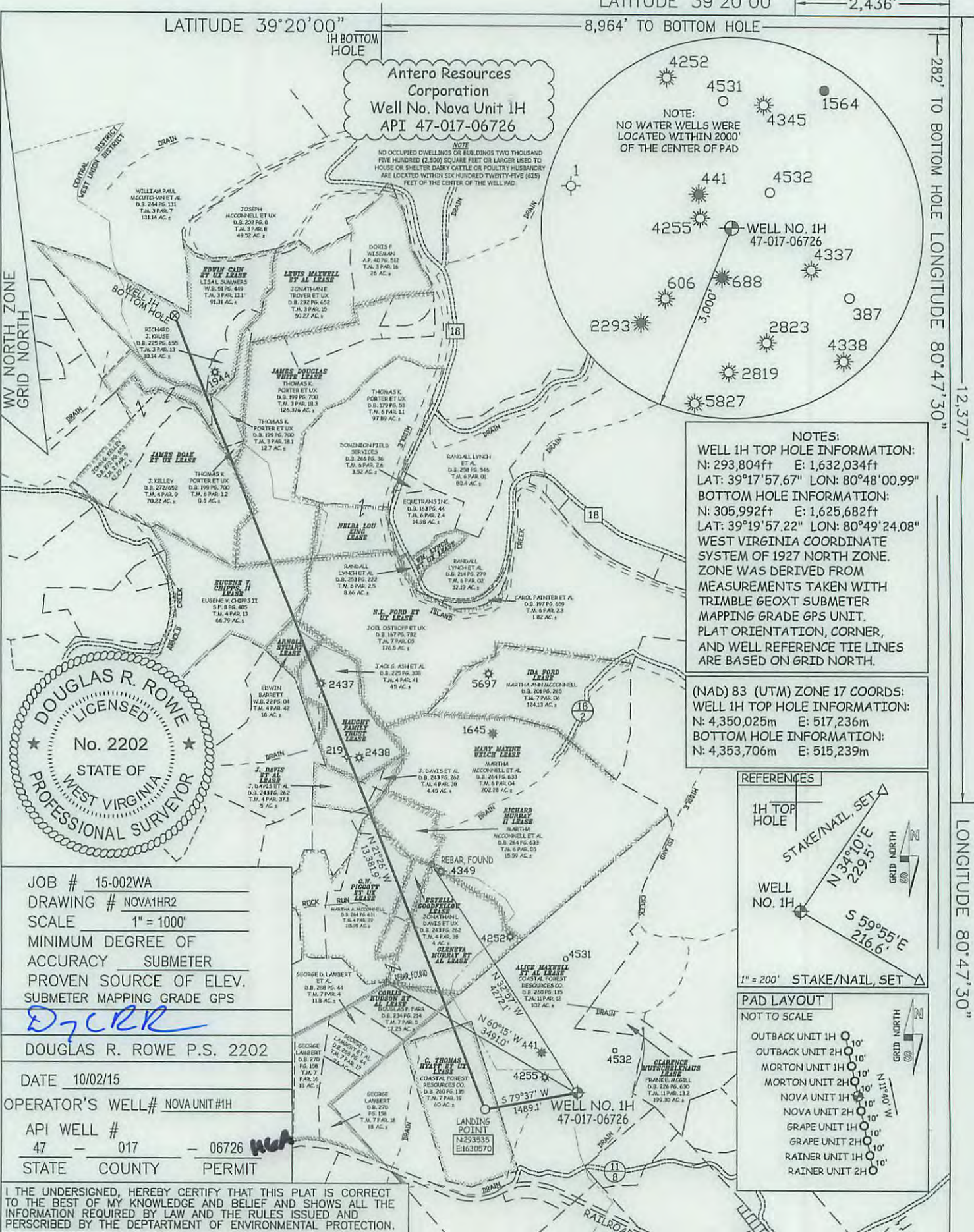


LATITUDE 39°20'00" 8,964' TO BOTTOM HOLE  
LATITUDE 39°20'00" 2,436'



GRID NORTH  
WV NORTH ZONE

282' TO BOTTOM HOLE  
LONGITUDE 80°47'30"

12,377'

LONGITUDE 80°47'30"

Antero Resources Corporation  
Well No. Nova Unit 1H  
API 47-017-06726

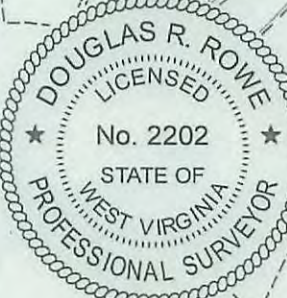
NOTE:  
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER BARNY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



NOTE:  
NO WATER WELLS WERE LOCATED WITHIN 200' OF THE CENTER OF PAD

NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 293,804ft E: 1,632,034ft  
LAT: 39°17'57.67" LON: 80°48'00.99"  
BOTTOM HOLE INFORMATION:  
N: 305,992ft E: 1,625,682ft  
LAT: 39°19'57.22" LON: 80°49'24.08"  
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: 4,350,025m E: 517,236m  
BOTTOM HOLE INFORMATION:  
N: 4,353,706m E: 515,239m



JOB # 15-002WA  
DRAWING # NOVA1HR2  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

*DJR*

DOUGLAS R. ROWE P.S. 2202

DATE 10/02/15

OPERATOR'S WELL# NOVA UNIT #H

API WELL # 47 - 017 - 06726

STATE COUNTY PERMIT

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

STATE OF WEST VIRGINIA DEPT. 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: ORIGINAL GROUND ELEVATION 1,220' PAD ELEVATION 1,189'  
WATERSHED HEADWATERS MIDDLE ISLAND CREEK QUADRANGLE WEST UNION 7.5' DISTRICT WEST UNION COUNTY DODRILL  
SURFACE OWNER COASTAL FOREST RESOURCES COMPANY ACREAGE 102 ACRES  
OIL & GAS ROYALTY OWNER ALICE MAXWELL ET AL; C. THOMAS HYATT ET UX; CORLIS HUTSON ET AL; LEASE ACREAGE 420 AC±; 60 AC±; 488.7 AC±;  
GLENEVA MURRAY ET AL; ESTELLA GOODFELLOW; G.W. PIGGOTT ET UX; RICHARD MURRAY II; J. DAVIS ET AL; HAUGHT FAMILY TRUST; 125 AC±; 11,621 AC±; 124.5 AC±; 145 AC±; 9.6 AC±; 25 AC±;  
ARNOLD STUART; S.L. FORD ET UX; EUGENE V. CHIPPS II; JAMES DOUGLAS WHITE; JAMES DOAK ET UX; LEWIS MAXWELL ET AL; EDWIN CAIN ET UX 11.6 AC±; 180 AC±; 120 AC±; 130 AC±; 120 AC±; 105 AC±; 97 AC±

LEGEND  
--- Surface Owner Boundary Lines +/-  
- - - Interior Surface Tracts +/-  
Monument Points As Specified

PROPOSED WORK: DRILL CONVERT DRILL DEEPER X REDRILL FRACTURE OR STIMULATE X  
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL  
(SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPAIR  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,900' ± 21,000' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

Office of Oil and Gas  
Department of Environmental Protection  
COUNTY NAME PERMIT