

LATITUDE 39°12'30"

6,862'

11,697' TO BOTTOM HOLE

LATITUDE 39°10'00"

LONGITUDE 80°50'00"

11,692' TO BOTTOM HOLE

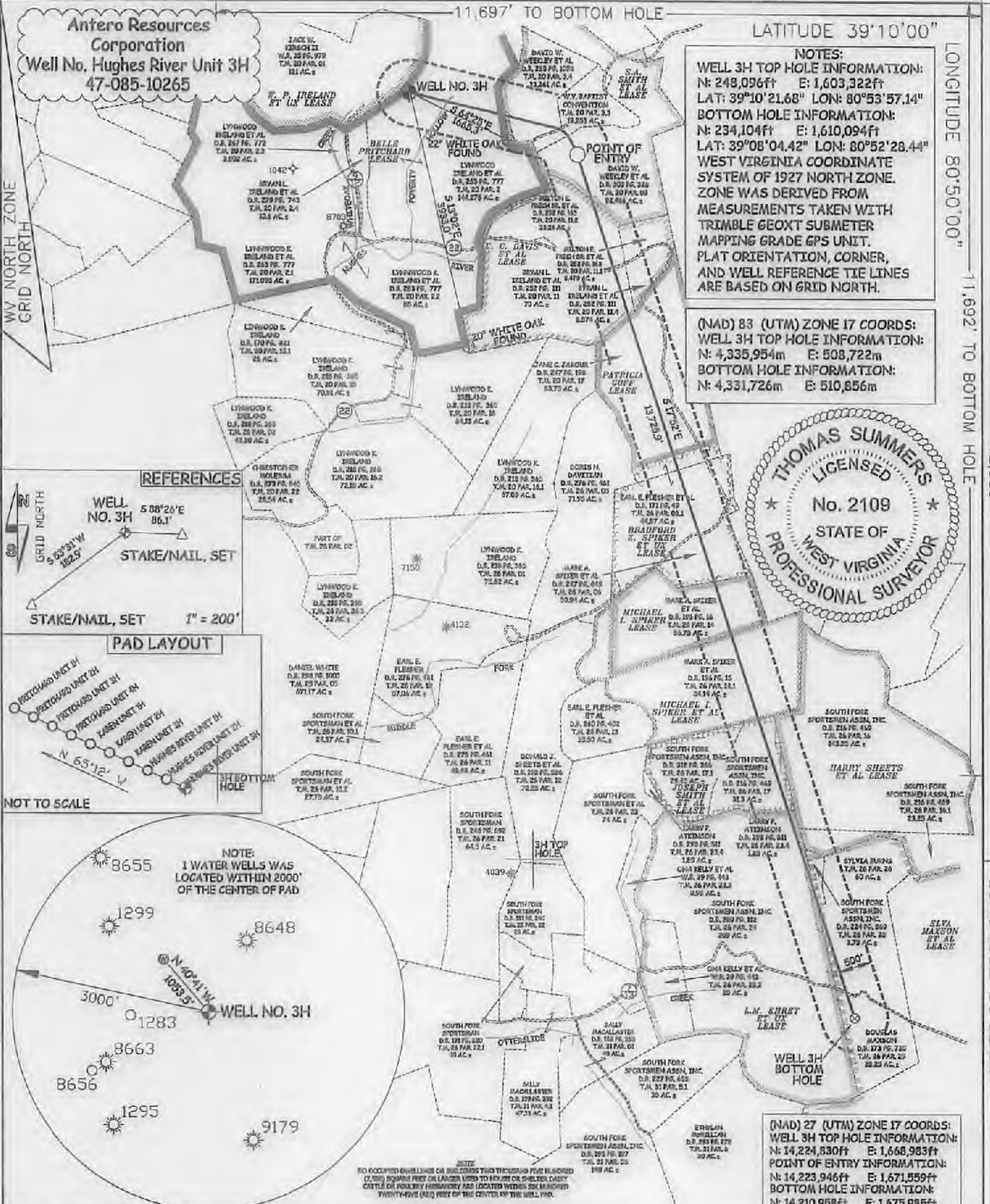
12,983'

LONGITUDE 80°52'30"

Antero Resources Corporation  
Well No. Hughes River Unit 3H  
47-085-10265

NOTES:  
WELL 3H TOP HOLE INFORMATION:  
N: 248,096ft E: 1,603,322ft  
LAT: 39°10'21.68" LON: 80°55'57.14"  
BOTTOM HOLE INFORMATION:  
N: 234,104ft E: 1,610,094ft  
LAT: 39°08'04.42" LON: 80°52'28.44"  
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIABLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

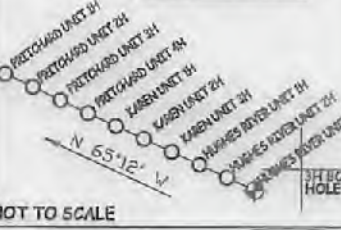
(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 3H TOP HOLE INFORMATION:  
N: 4,335,954m E: 508,722m  
BOTTOM HOLE INFORMATION:  
N: 4,331,726m E: 510,856m



REFERENCES



PAD LAYOUT



JOB # 14-127WA  
DRAWING # HUGHESRIVER3HR2  
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

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 PRESCRIBED 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  
⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109  
DATE 06/26/18  
OPERATOR'S WELL# HUGHES RIVER UNIT #3H

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
LOCATION: ELEVATION 945.5' AS BUILT WATERSHED SOUTH FORK HUGHES RIVER  
QUADRANGLE PULLMAN 7.5' (TH) OXFORD 7.5' (BH) DISTRICT UNION  
SURFACE OWNER LYNWOOD IRELAND ET AL  
OIL & GAS ROYALTY OWNER BELLE PRITCHARD; S. A. SMITH ET AL;  
C. C. DAVIS ET AL; PATRICIA GOFF; BRADFORD Z. SPIKER ET UX; MICHAEL I. SPIKER;  
MICHAEL I. SPIKER; JOSEPH SMITH ET AL; L. M. EHRET ET UX; ELVA MAXSON ET AL  
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 & REPLUG  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 23,700' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313