

LATITUDE 39°15'00" -1,316'

6,810' TO BOTTOM HOLE  
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,810'

9,960' TO BOTTOM HOLE

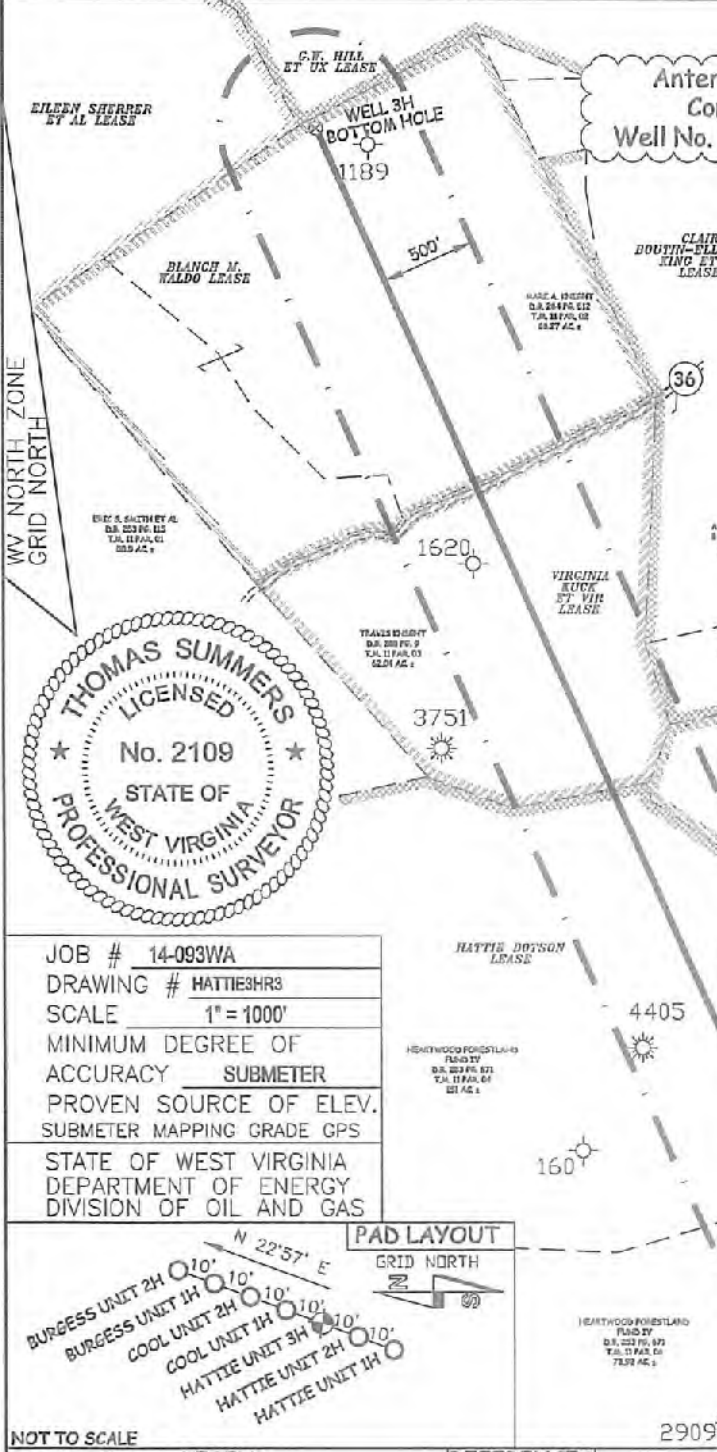
LONGITUDE 80°52'30"

### Antero Resources Corporation Well No. Hattie Unit 3H

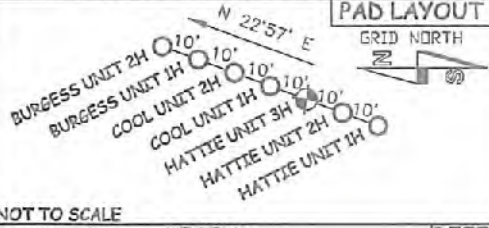
**NOTES:**  
**WELL 3H TOP HOLE INFORMATION:**  
 N: 271,356ft E: 1,609,225ft  
**BOTTOM HOLE INFORMATION:**  
 N: 281,466ft E: 1,603,887ft  
 LAT: 39°15'51.56" LON: 80°53'56.56"  
**WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.**  
 ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER 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: 4,343,070m E: 510,402m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,346,123m E: 508,724m

LINE	BEARING	DISTANCE
L1	S 77°58' E	1375.84'
L2	S 75°33' E	1004.51'
L3	S 75°04' E	1554.60'
L4	S 55°46' E	1596.34'
L5	S 54°01' E	1381.04'
L6	S 63°52' E	1636.75'
L7	S 80°31' E	1513.41'
L8	S 55°06' E	1345.06'
L9	S 51°10' E	1175.81'
L10	S 45°41' E	1080.75'
L11	S 42°24' E	1202.06'
L12	S 41°37' E	1125.94'
L13	S 32°54' E	947.63'
L14	S 25° E	1151.29'
L15	S 17°06' E	1113.08'
L16	S 05°23' E	1115.22'
L17	S 01°58' W	1414.85'
L18	S 05°17' W	1426.29'
L19	S 23°05' W	1806.45'
L20	S 42°21' W	1298.84'
L21	S 57°20' W	1415.97'
L22	S 73°44' W	1425.05'



JOB # 14-093WA  
 DRAWING # HATTIE3HR3  
 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 +/-  
 - - - Existing Fence  
 ⊕ Iron Pipe, Found

THOMAS SUMMERS P.S. 2109  
 DATE 04/24/18  
 OPERATOR'S WELL# HATTIE UNIT #3H  
 API WELL # 47 - 017 - 06837  
 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

**(NAD) 27 (UTM) ZONE 17 COORDS:**  
**WELL 3H TOP HOLE INFORMATION:**  
 N: 14,248,176ft E: 1,674,495ft  
**POINT OF ENTRY INFORMATION:**  
 N: 14,247,875ft E: 1,673,850ft  
**BOTTOM HOLE INFORMATION:**  
 N: 14,258,192ft E: 1,666,991ft

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION \_\_\_ STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 1,095' AS BUILT WATERSHED NORTH FORK HUGHES RIVER  
 QUADRANGLE PULLMAN 7.5 (TH) PENNSBORO 7.5 (BH) DISTRICT CENTRAL COUNTY DODDRIDGE  
 SURFACE OWNER STANLEY WEBB ET AL ACREAGE 59.18 ACRES +/-  
 OIL & GAS ROYALTY OWNER RALPH LEGGETT ET UX; HAROLD BURGESS ET UX; I.L. MORRIS;  
 GERALDINE WILLARD; HATTIE DOTSON; VIRGINIA KUCK ET VIR; BLANCH M. WALDO

LEASE ACREAGE 75 ACRES±; 43.5 ACRES±; 26 ACRES±; 131.5 ACRES±; 240 ACRES±; 56 ACRES±; 95 ACRES±  
 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 7,000' TVD 19,800' 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



06/29/2018

COUNTY NAME PERMIT