

LATITUDE 39°15'00" | 1,323'

7,404' TO BOTTOM HOLE  
LATITUDE 39°17'30"

LONGITUDE 80°52'30"

4,828'

10,369' TO BOTTOM HOLE

LONGITUDE 80°52'30"

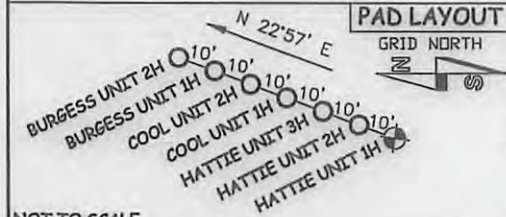
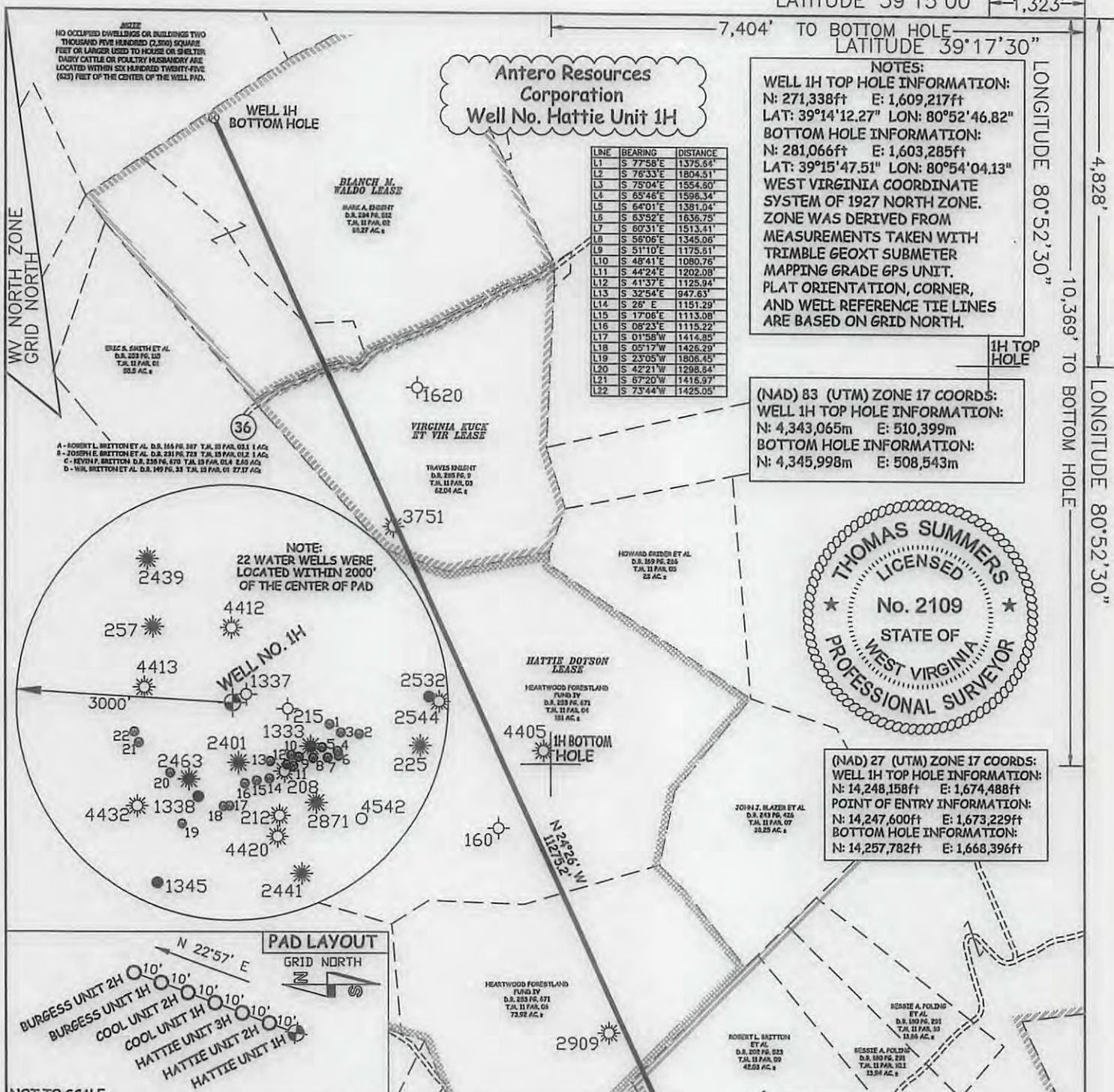
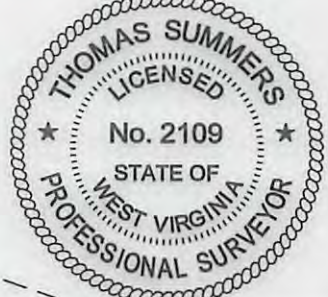
### Antero Resources Corporation Well No. Hattie Unit 1H

LINE	BEARING	DISTANCE
L1	S 77°58' E	1375.84'
L2	S 76°33' E	1804.51'
L3	S 75°04' E	1554.80'
L4	S 65°45' E	1596.34'
L5	S 64°01' E	1331.04'
L6	S 63°52' E	1636.75'
L7	S 60°31' E	1513.81'
L8	S 56°06' E	1345.06'
L9	S 51°10' E	1175.51'
L10	S 48°41' E	1080.76'
L11	S 44°24' E	1202.08'
L12	S 41°37' E	1125.94'
L13	S 32°54' E	947.63'
L14	S 25° E	1151.29'
L15	S 17°05' E	1113.08'
L16	S 06°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	1298.64'
L21	S 67°20' W	1416.97'
L22	S 73°44' W	1425.05'

NOTES:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 271,338ft E: 1,609,217ft  
 LAT: 39°14'12.27" N; 80°52'46.82" W  
 BOTTOM HOLE INFORMATION:  
 N: 281,066ft E: 1,603,285ft  
 LAT: 39°15'47.51" N; 80°54'04.13" W  
 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: 4,343,065m E: 510,399m  
 BOTTOM HOLE INFORMATION:  
 N: 4,345,998m E: 508,543m

(NAD 27 (UTM) ZONE 17 COORDS:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 14,248,158ft E: 1,674,488ft  
 POINT OF ENTRY INFORMATION:  
 N: 14,247,600ft E: 1,673,229ft  
 BOTTOM HOLE INFORMATION:  
 N: 14,257,782ft E: 1,668,396ft



NOT TO SCALE

**LEGEND**

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Iron Pipe, Found

**REFERENCES**

STAKE/NAIL, SET

WELL NO. 1H

STAKE/NAIL, SET

1" = 200'

JOB # 14-093WA  
 DRAWING # HATTIE1HR3  
 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  
 WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 1,108' ORIGINAL - 1,095' PROPOSED 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 OWNERS RALPH LEGGETT ET UX; HAROLD BURGESS ET UX; I.L. MORRIS; LEASE ACREAGE 75 ACRES +/-; 43.5 ACRES +/-; 26 ACRES +/-  
 DAVID W. PRICE; GERALDINE WILLARD; HATTIE DOTSON; VIRGINIA KUCK ET VIR; BLANCH M. WALDO 105 ACRES +/-; 131.5 ACRES +/-; 240 ACRES +/-; 56 ACRES +/-; 95 ACRES +/-

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 18,800' MD  
 CLEAN OUT & REPLUG

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM  
 DENVER, CO 80202 CHARLESTON, WV 25313

FORM WW-6

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

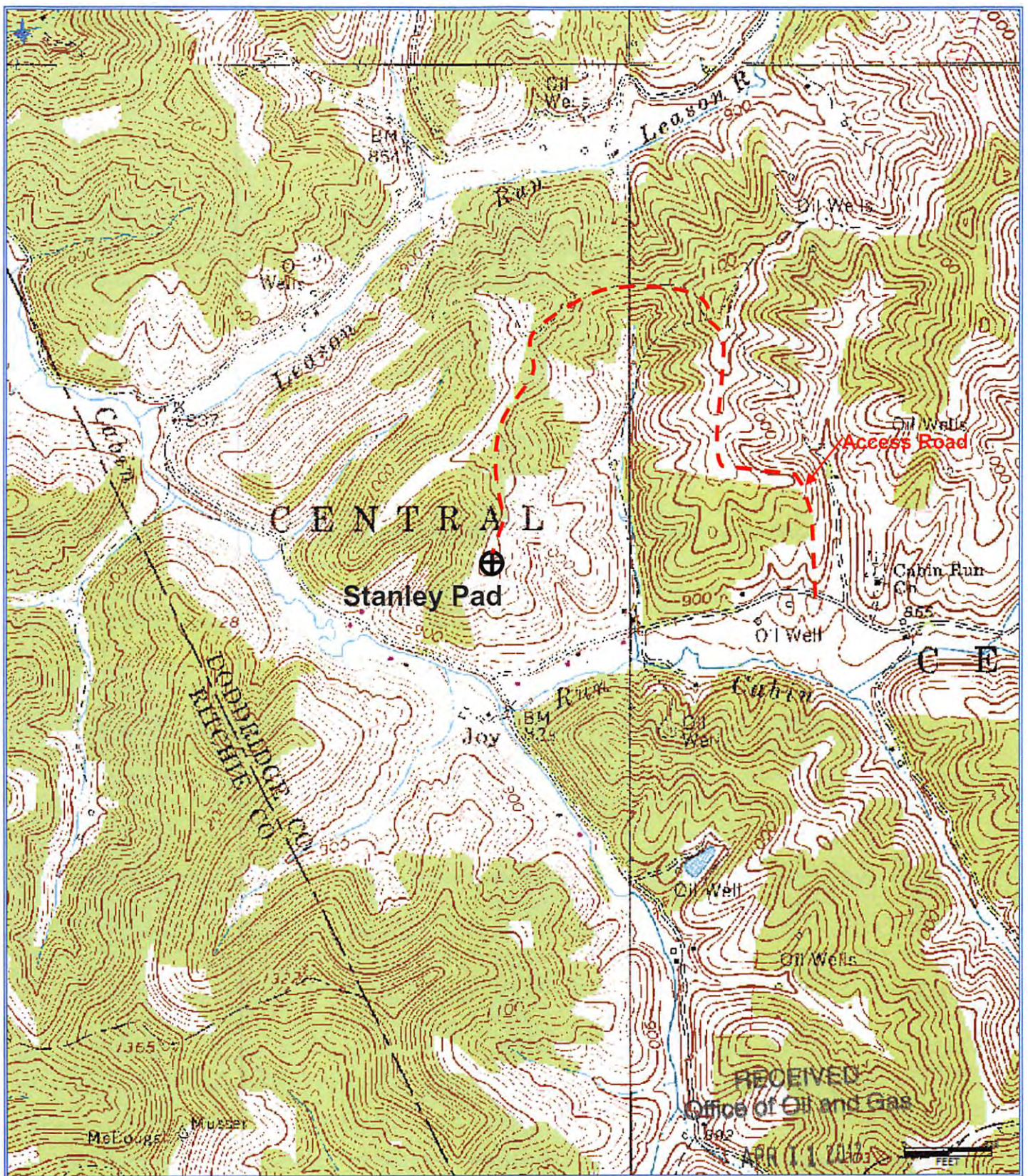
STATE OF WEST VIRGINIA  
 MONSIEUR SEMPER LIBERI



07/14/2017

COUNTY NAME PERMIT





WV Department of  
 Environmental Protection  
**Antero Resources Corporation**  
 Appalachian Basin  
 Hattie Unit 1H  
 Doddridge County  
 Quadrangle: Pullman 7.5'  
 Watershed: North Fork Hughes River  
 District: Central  
 Date: 3-12-2015

07/14/2017