

LATITUDE 39°37'30"

5,675'

2,905' TO BOTTOM HOLE

LATITUDE 39°37'30"

Antero Resources Corporation Well No. Heilman Unit 1H

NOTES: WELL 1H TOP HOLE INFORMATION: N: 404,916ft E: 1,665,616ft LAT: 39°36'20.39" LON: 80°41'12.51" BOTTOM HOLE INFORMATION: N: 397,092ft E: 1,668,285ft LAT: 39°35'03.42" LON: 80°40'37.11" 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: 4,384,047m E: 526,903m BOTTOM HOLE INFORMATION: N: 4,381,677m E: 527,756m

PAD LAYOUT



NO WATER WELLS WERE LOCATED WITHIN 2000' OF CENTER OF PAD

WELL NO. 1H

3,000'

Table with columns: TM-PAR, SURFACE OWNER, DB/PG, ACREAGE. Lists various land parcels and their owners.

Table with columns: OIL & GAS ROYALTY OWNERS, listing owners A through L.

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

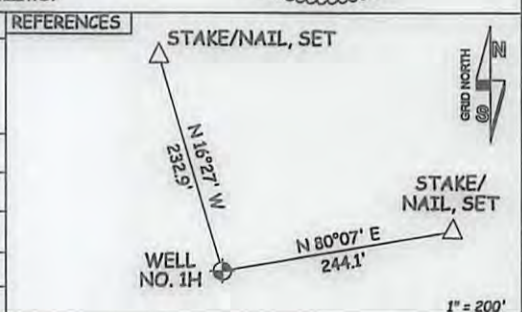
(NAD) 27 (UTM) ZONE 17 COORDS: WELL 1H TOP HOLE INFORMATION: N: 14,382,612ft E: 1,728,631ft POINT OF ENTRY INFORMATION: N: 14,382,526ft E: 1,728,469ft BOTTOM HOLE INFORMATION: N: 14,374,836ft E: 1,731,429ft

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.



JOB # 17-037WA DRAWING # HEILMAN1H 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

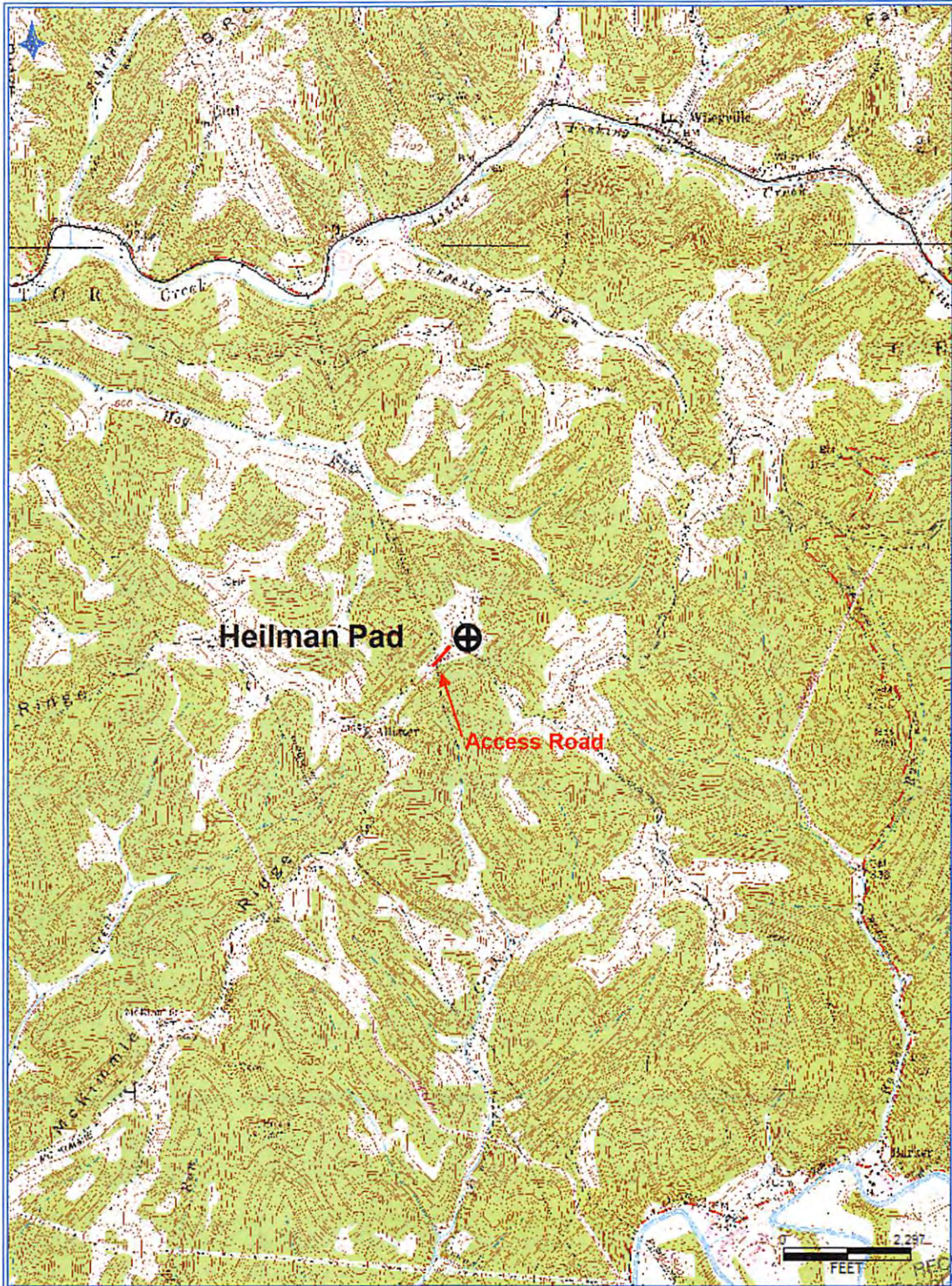
LEGEND: Surface Owner Boundary Lines +/-, Interior Surface Tracts +/-, Existing Fence, Found monument, as noted. THOMAS SUMMERS P.S. 2109 DATE 11/02/17 OPERATOR'S WELL# HEILMAN UNIT #1H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL 47 103 03218 HUA (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X STATE COUNTY PERMIT LOCATION: ELEVATION 1,472' - ORIGINAL 1441' - PROPOSED WATERSHED FISHING CREEK QUADRANGLE PINE GROVE 7.5' DISTRICT GREEN COUNTY WETZEL SURFACE OWNER RAYMOND J. AND LINDA S. HEILMAN ACREAGE 96 ACRES +/- OIL & GAS ROYALTY OWNER ROBERTA LEE BARTLETT; RAYMOND J. HEILMAN ET UX; LEASE ACREAGE 96 AC.±; 46.75 AC.±; KEITH DARWIN BROWN; CAROL SUE HAUGHT; NANCY LEE REXRODE; 39.2 AC.±; 100.8 AC.±; 2.8 AC.±; CHESAPEAKE APPALACHIA LLC; J. WELLS EAKIN; EDWARD B. KIRK ET UX; ACROPOLIS INC. 88.17 AC.±; 50 AC.±; 143.75 AC.±; 68 AC.± PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,700' TVD 16,002' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

02/09/2018

COUNTY NAME PERMIT



**Antero Resources Corporation**  
Appalachian Basin  
Heilman Pad  
Wetzel County

Quadrangle: Pine Grove  
Watershed: Fishing Creek  
District: Green  
Date: 11/6/2017

RECEIVED  
Office of Oil and Gas  
DEC 6 2017  
WV Department of  
Environmental Protection