

LATITUDE 39°25'00"

9,807'

LATITUDE 39°22'30"

4,538' TO BOTTOM HOLE

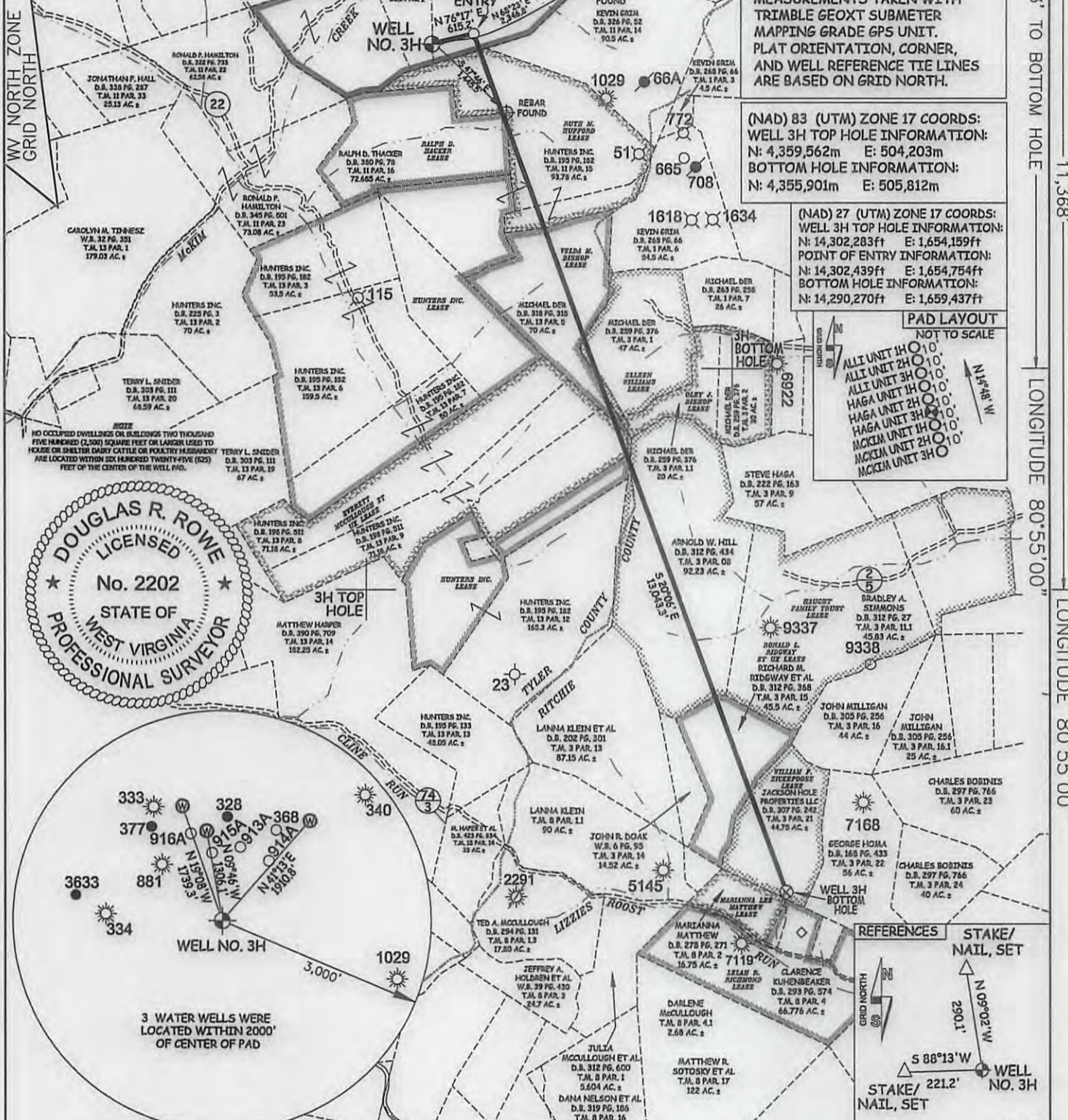
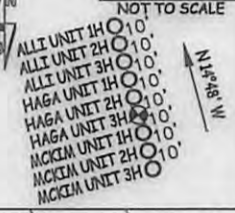
Antero Resources Corporation Well No. Haga Unit 3H

NOTES:
WELL 3H TOP HOLE INFORMATION:
 N: 325,814ft E: 1,589,788ft
 LAT: 39°23'07.64" LON: 80°57'04.90"
BOTTOM HOLE INFORMATION:
 N: 313,711ft E: 1,594,867ft
 LAT: 39°21'08.83" LON: 80°55'57.77"
 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.

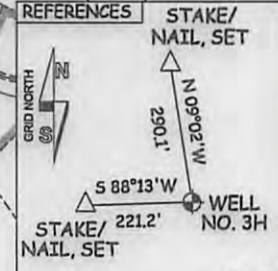
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
 N: 4,359,562m E: 504,203m
BOTTOM HOLE INFORMATION:
 N: 4,355,901m E: 505,812m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
 N: 14,302,283ft E: 1,654,159ft
POINT OF ENTRY INFORMATION:
 N: 14,302,439ft E: 1,654,754ft
BOTTOM HOLE INFORMATION:
 N: 14,290,270ft E: 1,659,437ft

PAD LAYOUT



3 WATER WELLS WERE LOCATED WITHIN 2000' OF CENTER OF PAD



1" = 400'

JOB # 16-062WA
 DRAWING # HAGA3H
 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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



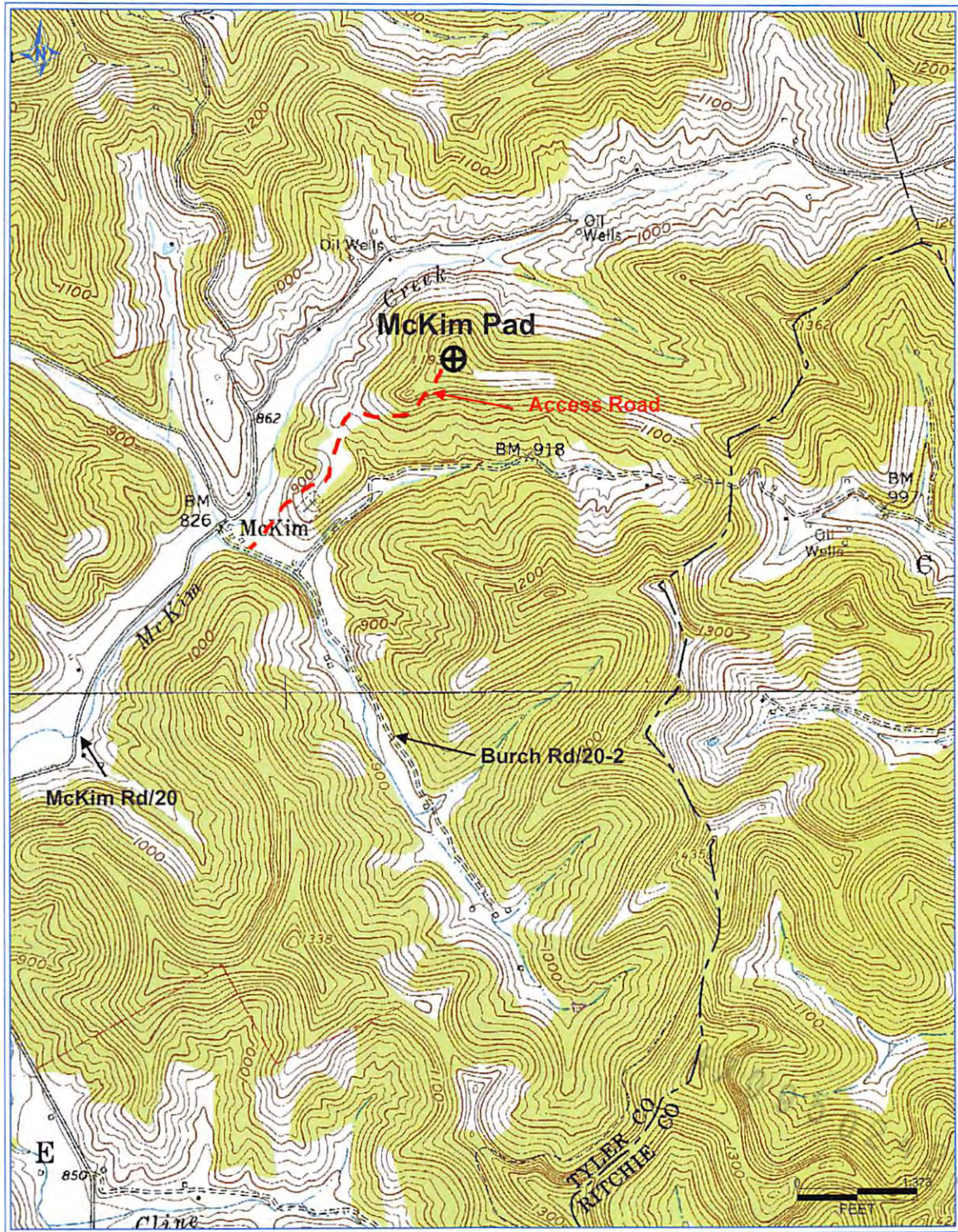
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

LEGEND
 - - - - - Surface Owner Boundary Lines +/-
 - - - - - Interior Surface Tracts +/-
 - - - - - Existing Fence
 ⊕ Found monument, as noted
 DOUGLAS R. ROWE P.S. 2202
 DATE 01/17/17
 OPERATOR'S WELL# HAGA UNIT #3H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,208' - ORIGINAL 1,172' - PROPOSED WATERSHED OUTLET MIDDLE ISLAND CREEK
 QUADRANGLE MIDDLEBOURNE 7.5' (TH) PENNSBORO 7.5' (BH) DISTRICT MEADE COUNTY TYLER
 SURFACE OWNER JARRET W. SHEPHERD ET AL ACREAGE 83.14 ACRES +/-
 OIL & GAS ROYALTY OWNER JOE LYNN FAMILY TRUST; RUTH M. HUFFORD; RALPH D. HACKER; VELDA M. BISHOP; LEASE ACREAGE 431.53 AC±; 93.78 AC±; 84.61 AC±; 70 AC±;
ELLEEN WILLIAMS; EVERETT MCCULLOUGH ET UX; HUNTERS INC.; HAUGHT FAMILY TRUST; RONALD L. RIDGWAY ET UX; WILLIAM F. ZICKFOOSE
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,500' TVD ± 0.050' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP ST. DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

8,213' TO BOTTOM HOLE
 LONGITUDE 80°55'00"
 LONGITUDE 80°55'00"

PERMIT NAME
 04/07/2017



Received
Office of Oil & Gas
FEB 10 2017

Antero Resources Corporation
Appalachian Basin
Haga Unit 3H
Tyler County

Quadrangle: Middlebourne
Watershed: Outlet Middle Island Creek
District: Meade
Date: 5-5-2016

04/07/2017