

LATITUDE 39°25'00"

10,768'

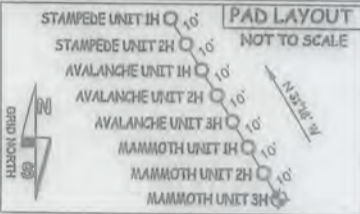
LATITUDE 39°25'00"

4,943' TO BOTTOM HOLE

Antero Resources Corporation Well No. Mammoth Unit 3H

NOTES: WELL 3H TOP HOLE INFORMATION: N: 331,438ft E: 1,636,018ft LAT: 39°24'10.18" LON: 80°47'17.19" BOTTOM HOLE INFORMATION: N: 324,212ft E: 1,641,743ft LAT: 39°22'59.58" LON: 80°46'02.95" 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: 4,361,511m E: 518,259m BOTTOM HOLE INFORMATION: N: 4,359,339m E: 520,040m



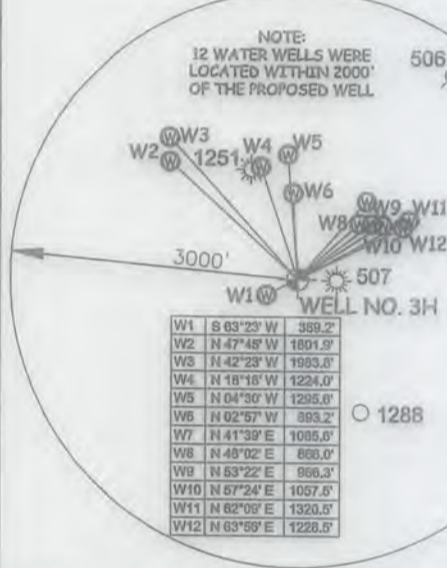
NOTE: NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

(NAD) 27 (UTM) ZONE 17 COORDS: WELL 3H TOP HOLE INFORMATION: N: 14,308,675ft E: 1,700,273ft POINT OF ENTRY INFORMATION: N: 14,309,716ft E: 1,703,379ft BOTTOM HOLE INFORMATION: N: 14,301,549ft E: 1,706,116ft

McElroy District - Tyler County. Table listing surface owners and leaseholders with well numbers and names.

WV NORTH ZONE GRID NORTH

5,041' LONGITUDE 80°45'00" 12.184' TO BOTTOM HOLE



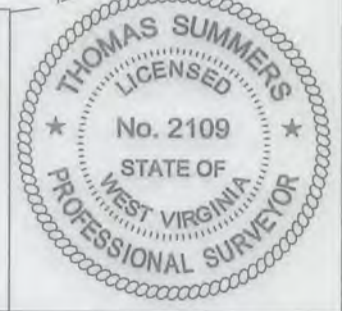
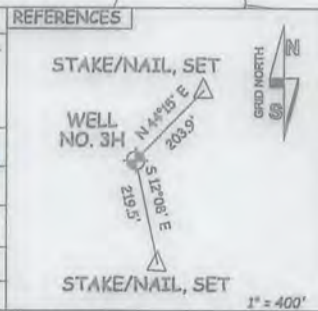
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



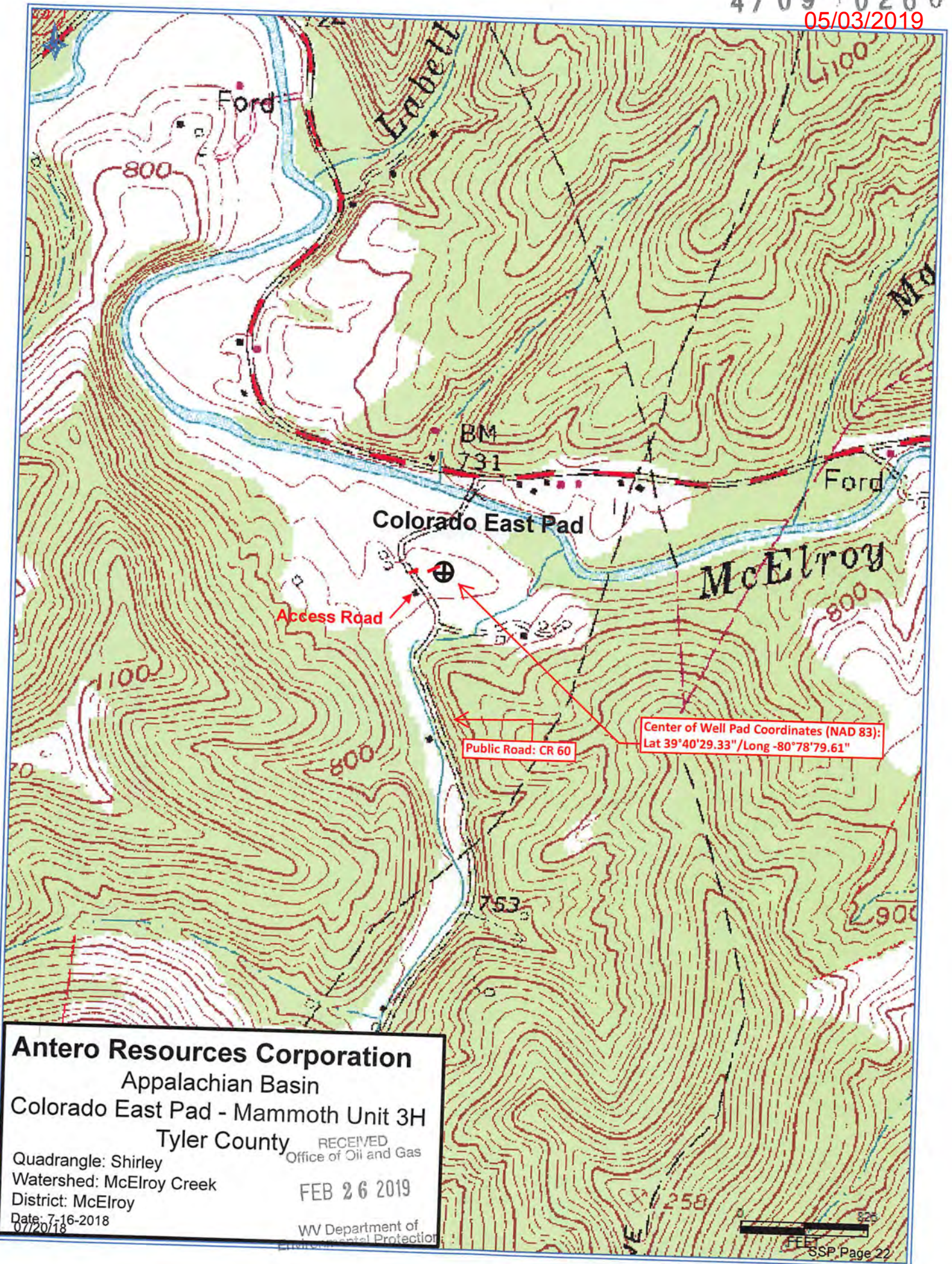
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS. WILLOW LAND SURVEYING PLLC, 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 19-002WA DRAWING # MAMMOTH 3H 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 02/18/19 OPERATOR'S WELL# MAMMOTH UNIT #3H



WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL (IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X LOCATION: ELEVATION 751'-ORIGINAL 743'-PROPOSED WATERSHED McELROY CREEK QUADRANGLE SHIRLEY 7.5 DISTRICT McELROY COUNTY TYLER SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 127.86 ACRES +/- OIL & GAS ROYALTY OWNER B.F. REED ET UX; K & D HOLDINGS, LLC; REBECCA WILLIAMS; LEASE ACREAGE 130 AC.±; 219.39 AC.±; 210 AC.±; MARK A. BURNETT; JAMES MALLOY ET UX; TOM WILLIAMS ET UX; MELISSA L. SMITH; MELISSA SMITH; NOBLE ENERGY INC. ET AL; 256 AC.±; 90.1 AC.±; 40 AC.±; 18.65 AC.±; 57.63 AC.±; 55 AC.±; JAMES JEFFERS ET UX; BAYARD SWEENEY JR. ET UX; ERMA MABEL PITTS; MATTHEW L. MARCH ET AL 83 AC.±; 55 AC.±; 74 AC.±; 51 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 6,900' TVD IN 2,200' 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



Antero Resources Corporation
 Appalachian Basin
 Colorado East Pad - Mammoth Unit 3H
 Tyler County

Quadrangle: Shirley
 Watershed: McElroy Creek
 District: McElroy
 Date: 7-16-2018
 07/20/18

RECEIVED
 Office of Oil and Gas

FEB 26 2019

WV Department of
 Environmental Protection