

LATITUDE 39°20'00"

2,427'

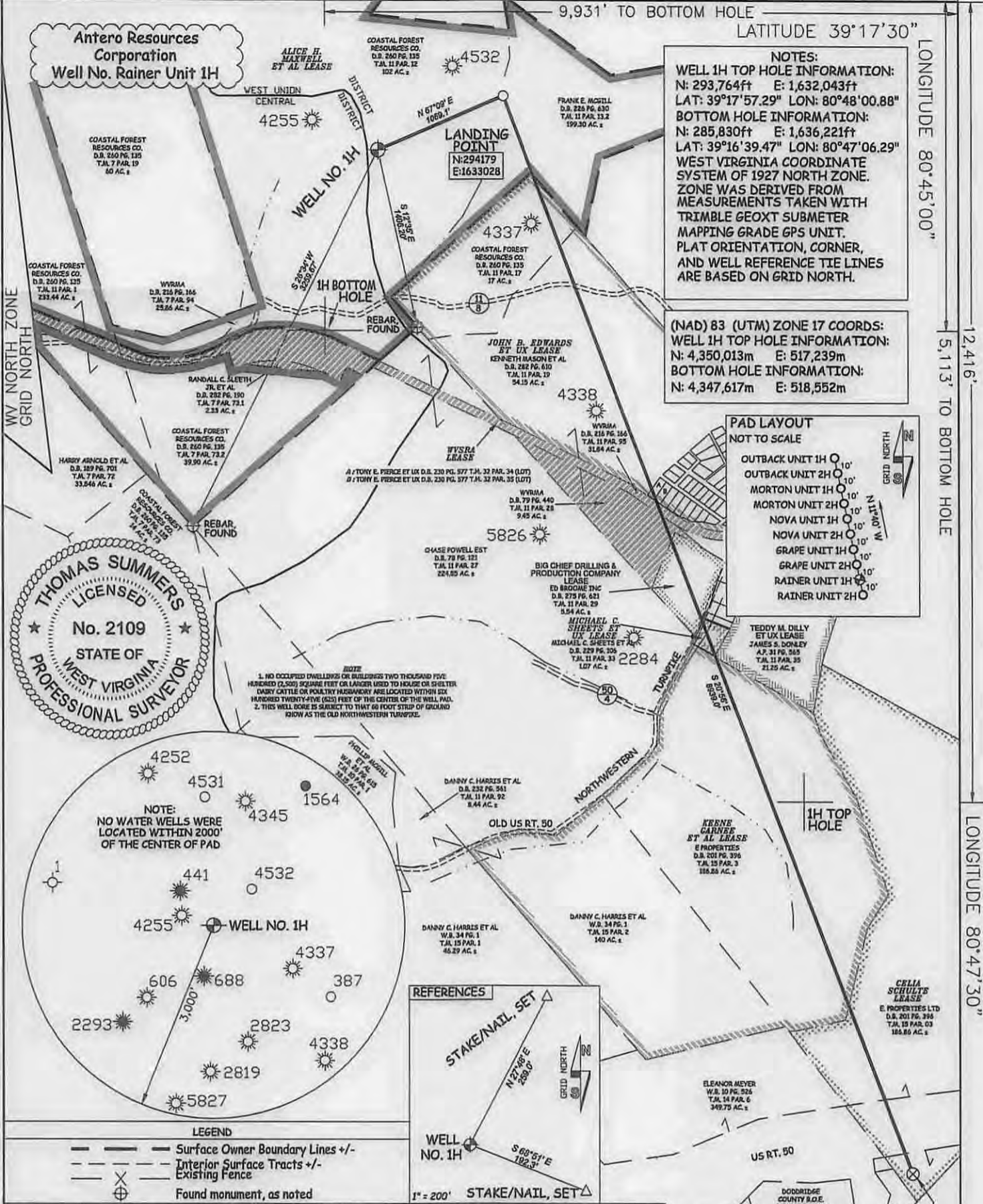
9,931' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°45'00"

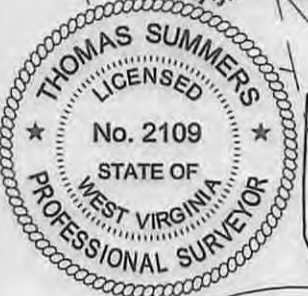
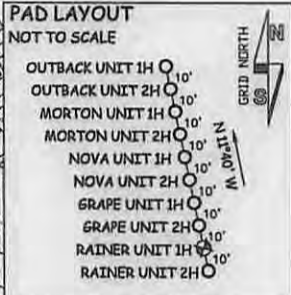
12,416'

LONGITUDE 80°47'30"



NOTES:
 WELL 1H TOP HOLE INFORMATION:
 N: 293,764ft E: 1,632,043ft
 LAT: 39°17'57.29" LON: 80°48'00.88"
 BOTTOM HOLE INFORMATION:
 N: 285,830ft E: 1,636,221ft
 LAT: 39°16'39.47" LON: 80°47'06.29"
 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: 4,350,013m E: 517,239m
 BOTTOM HOLE INFORMATION:
 N: 4,347,617m E: 518,552m

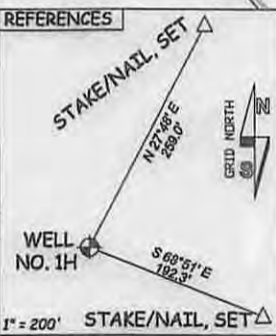


NOTE:
 1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY PARADIGM AND LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
 2. THIS WELL BORE IS SUBJECT TO THAT 60 FOOT STRIP OF GROUND KNOWN AS THE OLD NORTHWESTERN TURNPIKE.



LEGEND

- Surface Owner Boundary Lines +/-
- - - Interior Surface Tracts +/-
- - - Existing Fence
- ⊕ Found monument, as noted



JOB # 15-035WA
 DRAWING # RAINER1H
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

THOMAS SUMMERS P.S. 2109
 DATE 08/14/15
 OPERATOR'S WELL# RAINER1H
 API WELL # 47-017

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

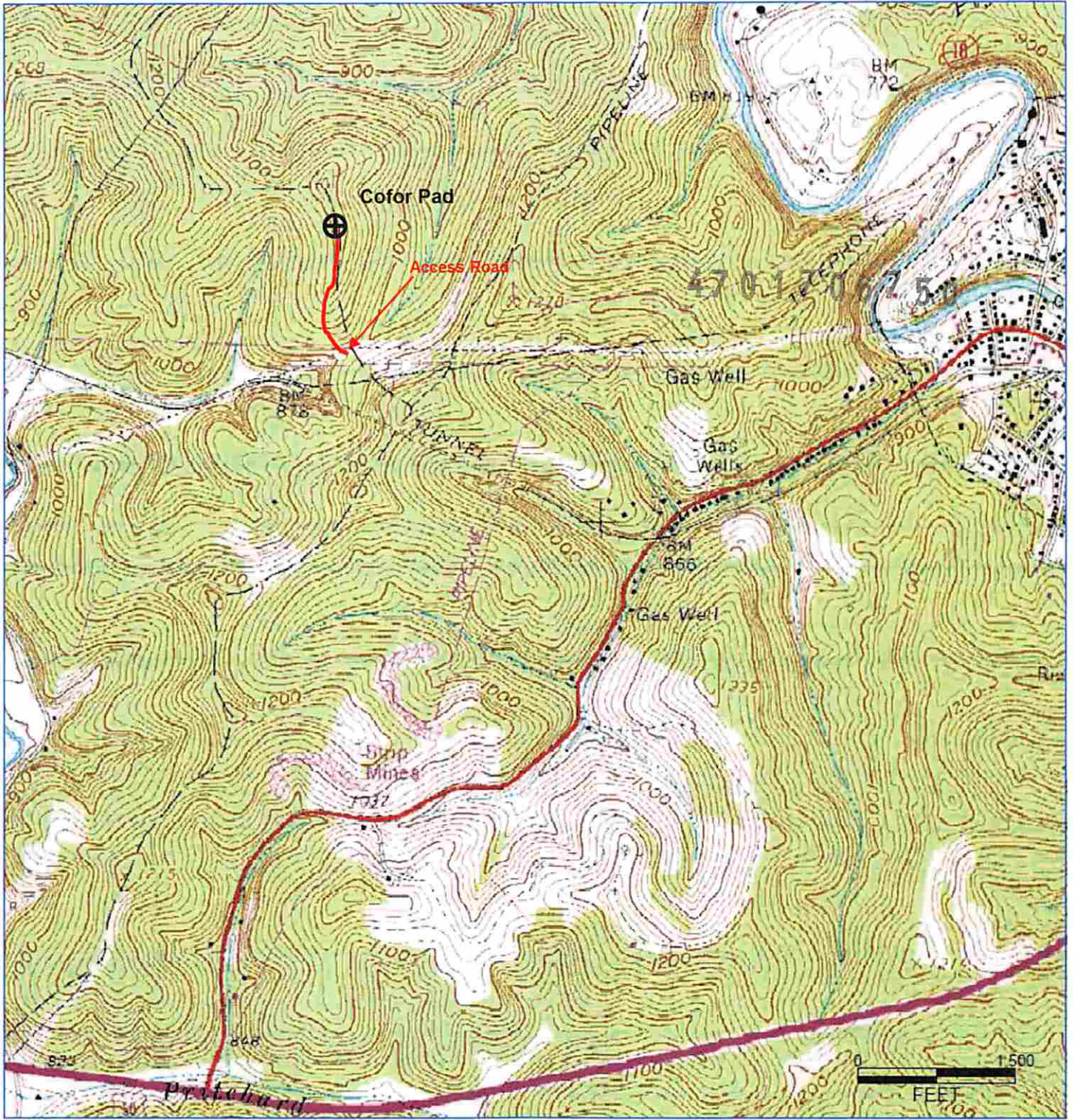
WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 1,221' - ORIGINAL 1,189' - PROPOSED WATERSHED HEADWATERS MIDDLE ISLAND CREEK STATE COUNTY 10/02/2015
 QUADRANGLE WEST UNION 7.5' DISTRICT WEST UNION COUNTY DODDRIDGE

SURFACE OWNER COASTAL FOREST RESOURCES COMPANY ACREAGE 102 ACRES +/-
 OIL & GAS ROYALTY OWNER ALICE H. MAXWELL ET AL; JOHN B. EDWARDS ET UX; LEASE ACREAGE 420 AC±; 92 AC±;
 WWSRA; BIG CHIEF DRILLING & PRODUCTION CO.; MICHAEL C. SHEETS ET UX; TEDDY M. DILLY ET UX; KEENE GARNEE ET AL; CELIA SCHULTE 301.19 AC±; 5.54 AC±; 1.07 AC±; 23 AC±; 404 AC±; 200 AC±

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 7,900' TVD 17,800' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
 ADDRESS 1615 WYNKOOP STREET DENVER, CO 80202 ADDRESS 5400 D BIG TYLER ROAD CHARLESTON, WV 25313



MDC
8/26/15

Antero Resources Corporation
 Appalachian Basin
 Rainer Unit 1H
 Doddridge County
 Quadrangle: West Union 7.5'
 Watershed: Headwaters Middle Island Creek
 District: West Union
 Date: 4-01-2014

10/02/2015