

LATITUDE 39°20'00"

2,425'

9,395' TO BOTTOM HOLE

LATITUDE 39°17'30"

LONGITUDE 80°45'00"

4,638' TO BOTTOM HOLE

12,425'

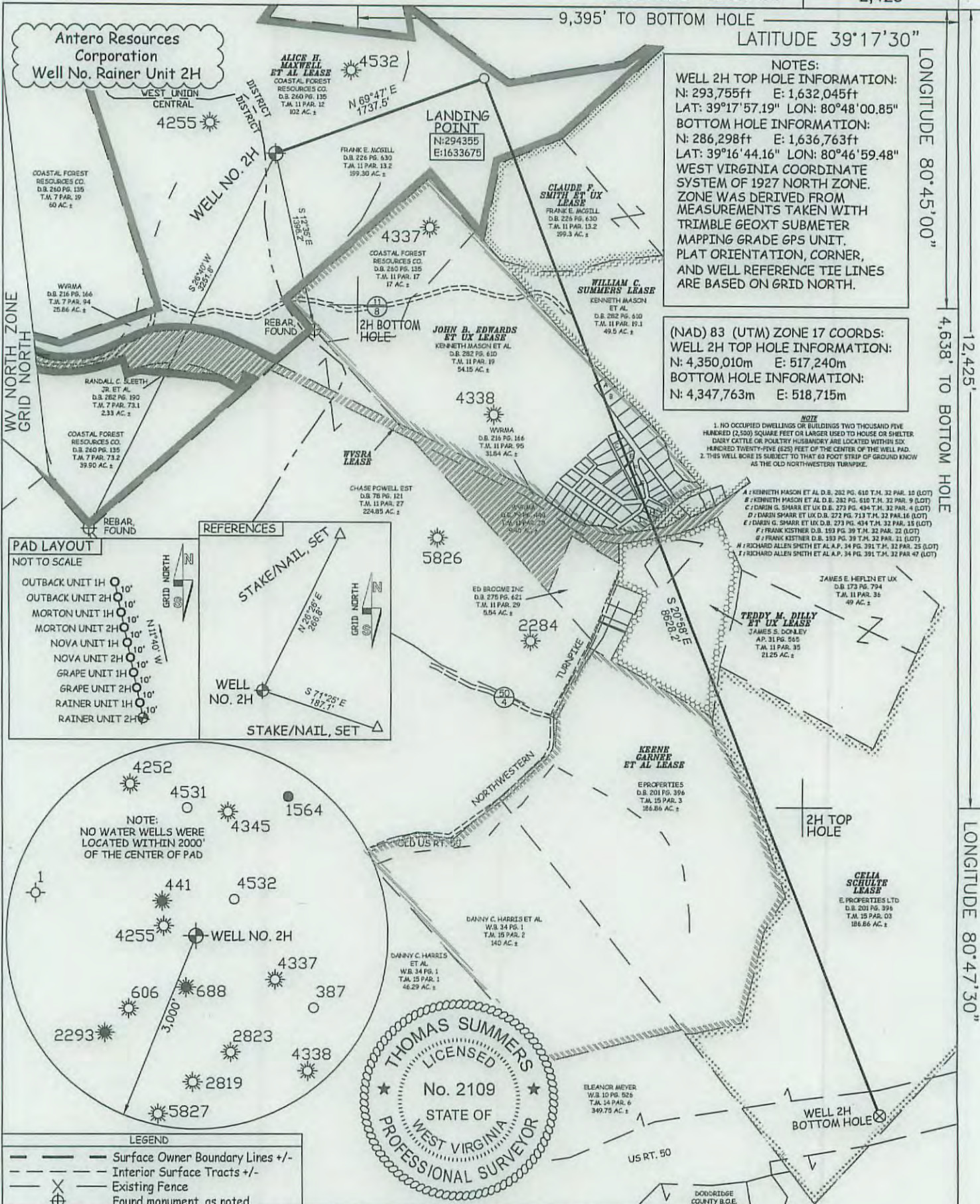
LONGITUDE 80°47'30"

NOTES:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 293,755ft E: 1,632,045ft  
 LAT: 39°17'57.19" LON: 80°48'00.85"  
 BOTTOM HOLE INFORMATION:  
 N: 286,298ft E: 1,636,763ft  
 LAT: 39°16'44.16" LON: 80°46'59.48"  
 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.

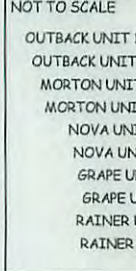
(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 2H TOP HOLE INFORMATION:  
 N: 4,350,010m E: 517,240m  
 BOTTOM HOLE INFORMATION:  
 N: 4,347,763m E: 518,715m

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 HUSBANDRY ARE 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.

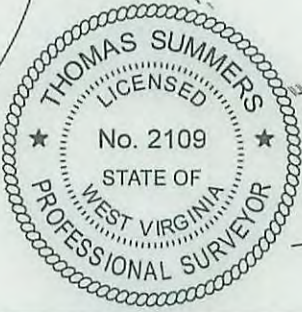
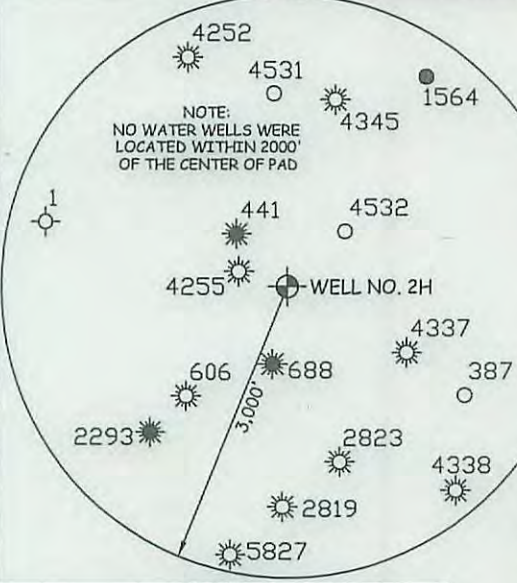
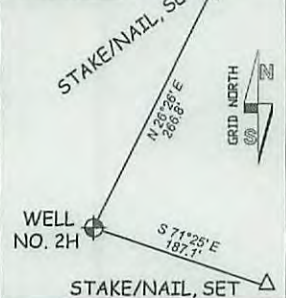
A / KENNETH MASON ET AL D.B. 202 PG. 610 T.M. 32 PAR. 15 (LOT)  
 B / KENNETH MASON ET AL D.B. 202 PG. 610 T.M. 32 PAR. 9 (LOT)  
 C / DARIN G. SHARR ET UX D.B. 273 PG. 434 T.M. 32 PAR. 4 (LOT)  
 D / DARIN SHARR ET UX D.B. 272 PG. 713 T.M. 32 PAR. 16 (LOT)  
 E / DARIN G. SHARR ET UX D.B. 273 PG. 434 T.M. 32 PAR. 15 (LOT)  
 F / FRANK KISTNER D.B. 193 PG. 39 T.M. 32 PAR. 22 (LOT)  
 G / FRANK KISTNER D.B. 193 PG. 39 T.M. 32 PAR. 21 (LOT)  
 H / RICHARD ALLEN SMITH ET AL A.P. 34 PG. 391 T.M. 32 PAR. 25 (LOT)  
 I / RICHARD ALLEN SMITH ET AL A.P. 34 PG. 391 T.M. 32 PAR. 47 (LOT)



PAD LAYOUT



REFERENCES



LEGEND

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

JOB # 15-035WA  
 DRAWING # RAINER2H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

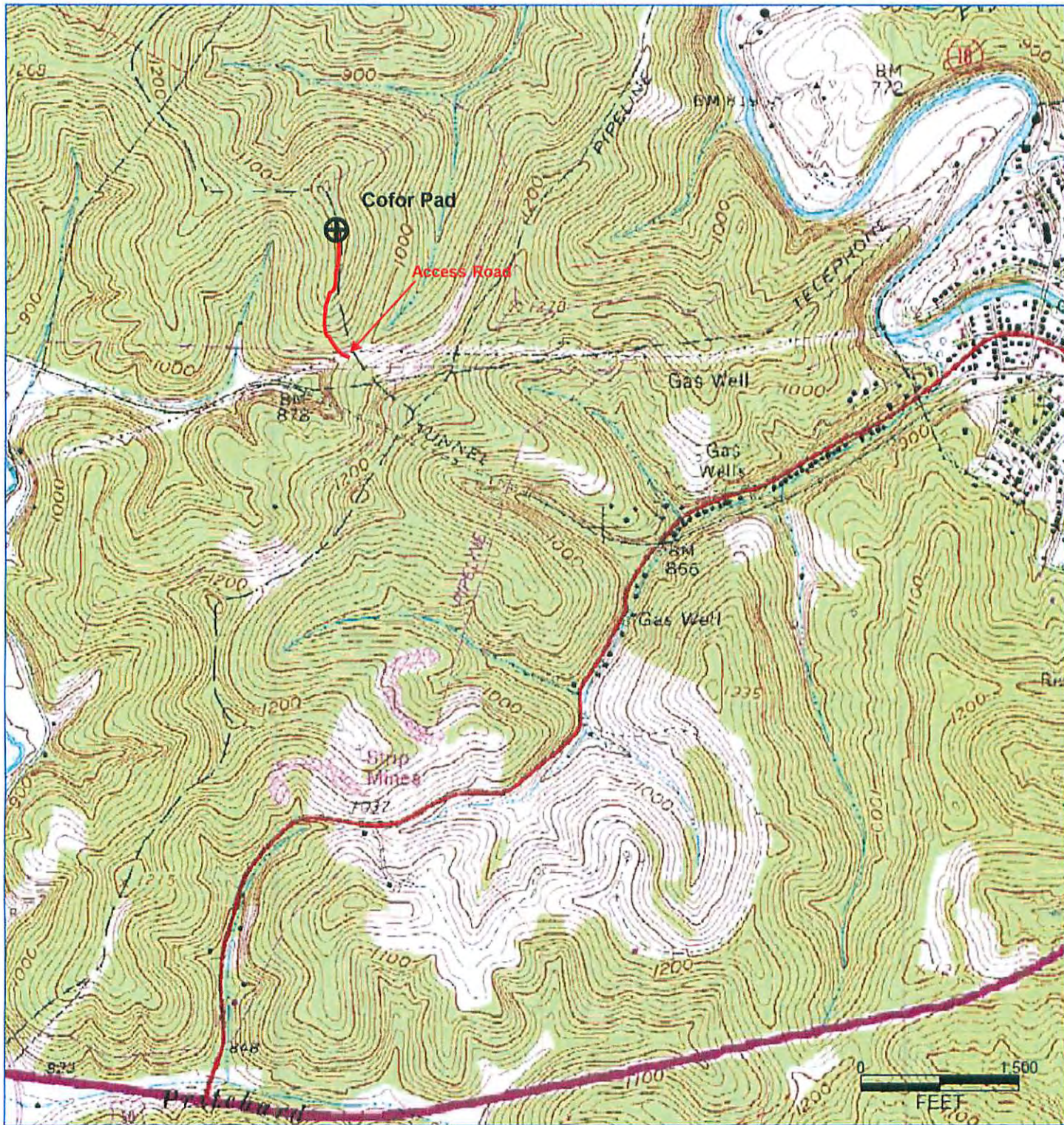
I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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# RAINER2H  
 API WELL # 147000017

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 PERMIT  
 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; CLAUDE F. SMITH ET UX; LEASE ACREAGE 420 AC±; 108 AC±;  
 WILLIAM C. SUMMERS; JOHN B. EDWARDS ET UX; WVSRA; TEDDY M. DILLY ET UX; CELIA SCHULTE 49 AC±; 92 AC±; 301.19 AC±; 23 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) \_\_\_  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,900' TVD 17,800' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - GT CORPORATION SYSTEM  
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV 25313



**Antero Resources Corporation**  
 Appalachian Basin  
 Rainer Unit 2H  
 Doddridge County

Quadrangle: West Union 7.5'  
 Watershed: Headwaters Middle Island Creek  
 District: West Union  
 Date: 4-01-2014

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RECEIVED  
 Office of Oil and Gas  
 WV Department of  
 Environmental Protection  
 NOV 13 2015

01/29/2016