

LATITUDE 39°12'30" 339'

LATITUDE 39°12'30" 1H TOP HOLE

LONGITUDE 80°52'30"

LONGITUDE 80°50'00"

8,706' TO BOTTOM HOLE

11,054' TO BOTTOM HOLE
Antero Resources Corporation
Well No. Allender Unit 1H

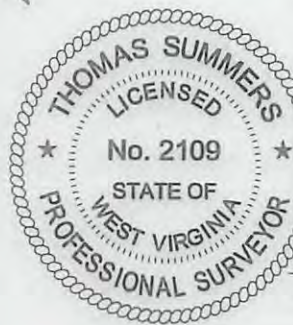
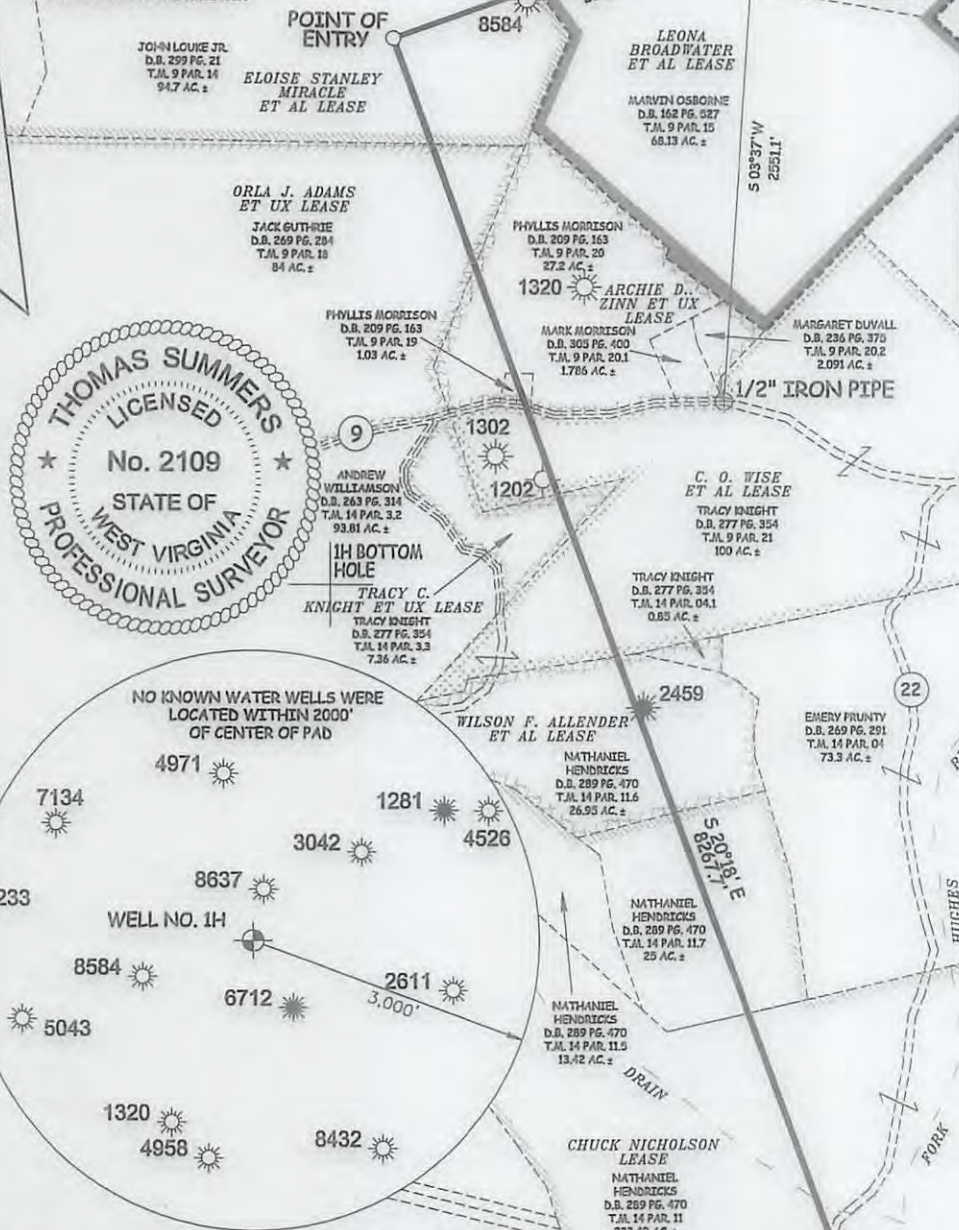
NOTES:
WELL 1H TOP HOLE INFORMATION:
 N: 260,686ft E: 1,610,039ft
 LAT: 39°12'27.13" LON: 80°52'34.30"
BOTTOM HOLE INFORMATION:
 N: 252,255ft E: 1,611,006ft
 LAT: 39°11'03.95" LON: 80°52'20.39"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE 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: 4,339,824m E: 510,704m
BOTTOM HOLE INFORMATION:
 N: 4,337,260m E: 511,041m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
 N: 14,237,525ft E: 1,675,487ft
POINT OF ENTRY INFORMATION:
 N: 14,236,817ft E: 1,673,597ft
BOTTOM HOLE INFORMATION:
 N: 14,229,114ft E: 1,676,593ft

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.

WV NORTH ZONE GRID NORTH



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

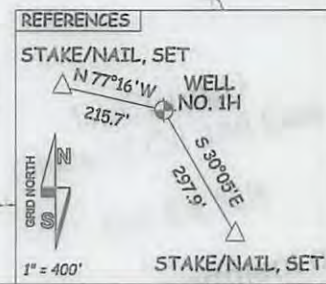
PAD LAYOUT
 NOT TO SCALE

ALLENDER UNIT 2H
 ALLENDER UNIT 2H
 ALLENDER UNIT 2H
 ALLENDER UNIT 2H
 ALLENDER UNIT 2H

JOB # 12-121WA
 DRAWING # ALLENDER1H
 SCALE 1" = 1000'
 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

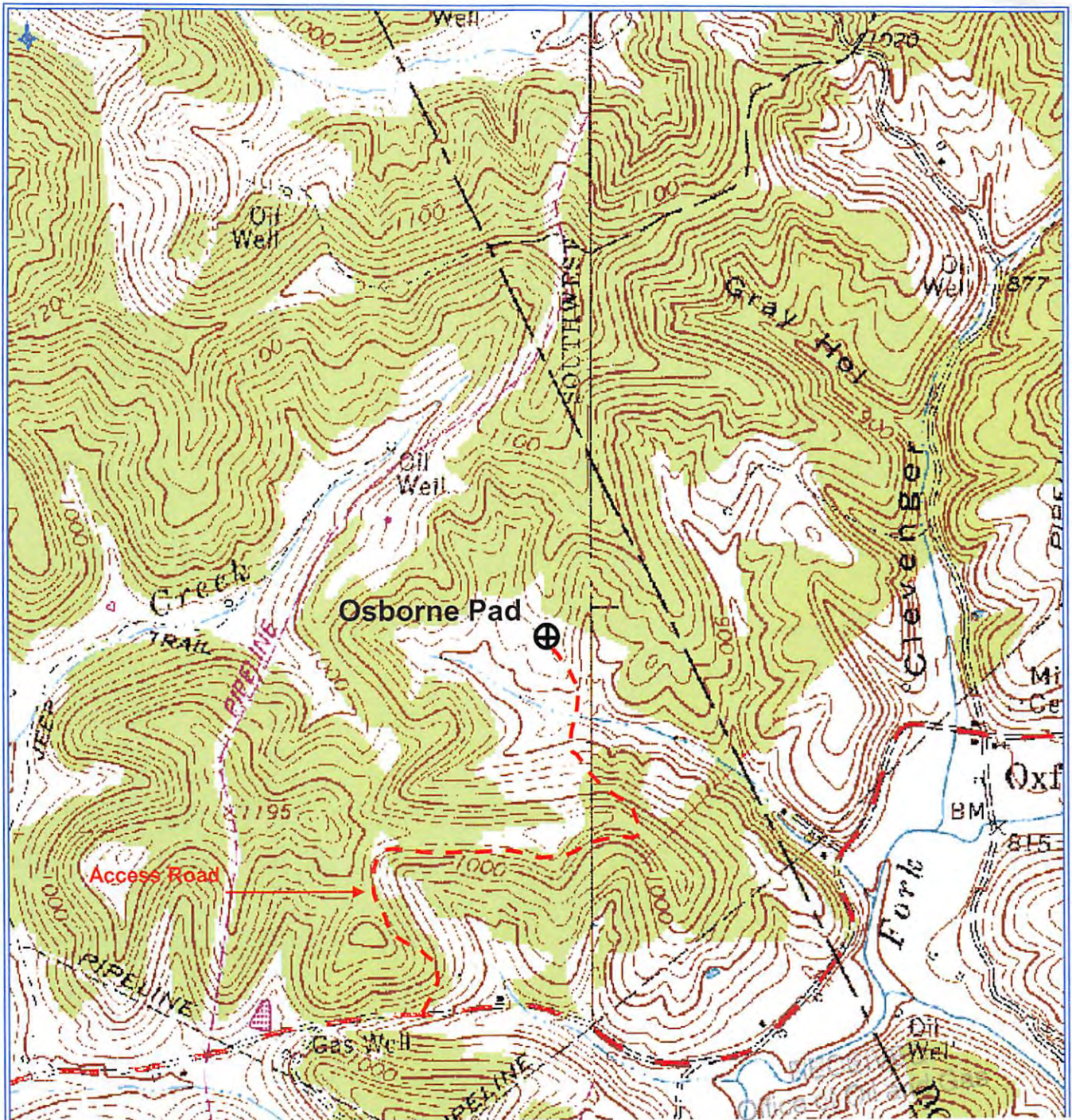
LEGEND
 - - - - - Surface Owner Boundary Lines +/-
 - - - - - Interior Surface Tracts +/-
 - - - - - Existing Fence
 ⊕ Found monument, as noted

Thomas Summers
 THOMAS SUMMERS P.S. 2109
 DATE 07/28/16
 OPERATOR'S WELL# ALLENDER UNIT 1H



WELL TYPE: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID INJECTION <input type="checkbox"/> WASTE DISPOSAL <input type="checkbox"/>	47	085	10297 HGA
(IF "GAS") PRODUCTION <input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/>			
LOCATION: ELEVATION 934' - ORIGINAL 923' - PROPOSED _____ WATERSHED SOUTH FORK HUGHES RIVER			12/02/2016
QUADRANGLE SHL - PULLMAN 7.5' BHL - OXFORD 7.5' DISTRICT UNION COUNTY RITCHIE			
SURFACE OWNER MARVIN OSBOURNE ACREAGE 28.75 ACRES +/-			
OIL & GAS ROYALTY OWNER LEONA BROADWATER ET AL; ELOISE STANLEY MIRACLE ET AL; ORLA J. ADAMS ET UX; ARCHIE D. ZINN ET UX; C. O. WISE ET AL; TRACY C. KNIGHT ET UX; WILSON F. ALLENDER ET AL; CHUCK NICHOLSON; ELIZABETH HART	31 AC.±; 100 AC.±; 7.36 AC.±; 27.91 AC.±; 315 AC.±; 83 AC.±		
PROPOSED WORK: DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input checked="" type="checkbox"/> OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____			
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 16,500' MD			
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM			
ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD			
DENVER, CO 80202 CHARLESTON, WV 25313			

4708510297



AUG 24 2016

Antero Resources Corporation

Appalachian Basin

Allender Unit 1H

Ritchie County

Quadrangle: Pullman

Watershed: South Fork Hughes River

District: Union

Date: 11-12-14

12/02/2016