

LATITUDE 39°20'00"

6,837'

LATITUDE 39°22'30"

LONGITUDE 80°52'30"

04/26/2019

LONGITUDE 80°52'30"

10,508' TO BOTTOM HOLE

AS DRILLED DATA:  
 WELL 3H TOP HOLE INFORMATION:  
 N: 302,707ft E: 1,604,184ft  
 LAT: 39°19'21.53" LON: 80°53'57.00"  
 BOTTOM HOLE INFORMATION:  
 N: 311,271ft E: 1,604,012ft  
 LAT: 39°20'46.14" LON: 80°54'00.88"  
 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.

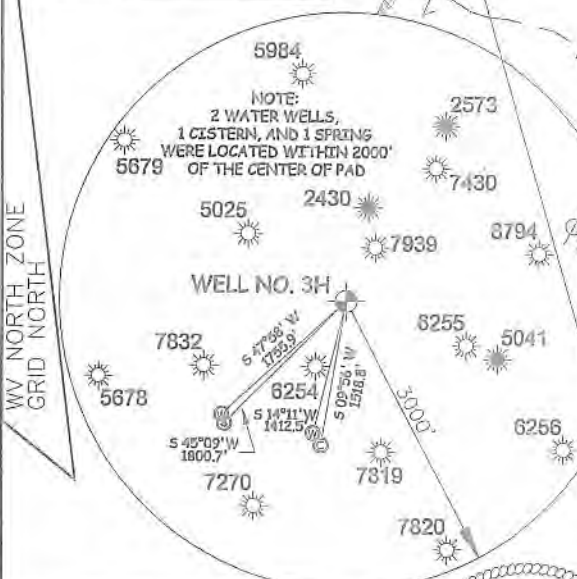
(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 3H TOP HOLE INFORMATION:  
 N: 4,352,596m E: 508,706m  
 BOTTOM HOLE INFORMATION:  
 N: 4,355,204m E: 508,610m

Antero Resources Corporation  
 Well No. Niley Unit 3H

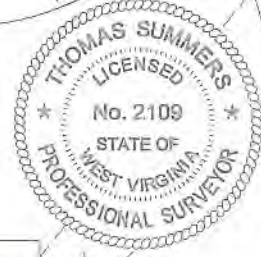
PAD LAYOUT  
 NOT TO SCALE

- NILEY UNIT 3H 10'
- NILEY UNIT 2H 10'
- NILEY UNIT 1H 10'
- STRONSNIDER UNIT 3H 10'
- STRONSNIDER UNIT 2H 10'
- STRONSNIDER UNIT 1H 10'
- TRUST UNIT 2H 10'
- TRUST UNIT 1H 10'
- PENNY UNIT 3H 10'
- PENNY UNIT 2H 10'
- PENNY UNIT 1H 10'

- 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. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
  3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
  4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
  5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.



JOB # 15-045WA  
 DRAWING # NILEY3HAD  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



THOMAS SUMMERS P.S. 2109

DATE 11/05/18  
 OPERATOR'S WELL# NILEY UNIT #3H

LEGEND

	Surface Owner Boundary Lines +/-
	Interior Surface Tracts +/-
	Proposed Well Path
	As Drilled Well Path

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  
 266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

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

WELL TYPE: OIL	GAS <input checked="" type="checkbox"/>	LIQUID INJECTION	WASTE DISPOSAL	API WELL #	47	085	10252
(IF "GAS") PRODUCTION	STORAGE	DEEP	SHALLOW <input checked="" type="checkbox"/>	STATE	COUNTY	PERMIT	
LOCATION: ELEVATION	1,029' AS BUILT	WATERSHED	NORTH FORK HUGHES RIVER	QUADRANGLE	PENNSBORO 7.5'	DISTRICT	CLAY
COUNTY	RITCHIE	SURFACE OWNER	EDWIN D. MULVAY ET AL	ACREAGE	152.5 ACRES +/-	LEASE ACREAGE	152 AC±; 23.84 AC±; 32 AC±
OIL & GAS ROYALTY OWNER	EDWIN DELMAR MULVAY ET AL; WINOLA CARMAN; ADA A. LANTZ ET VIR;	BETTY LOUELLA HALL ET VIR; EMMA COOPER SHAHAN ET VIR; BELVIA FLEMING; MARGARET A. THOMAS ET VIR; H.K. HAYMOND ET AL; CLIFTON VALENTINE ET UX					58 AC±; 52 AC±; 87.75 AC±; 135 AC±; 141.5 AC±; 36 AC±
PROPOSED WORK: DRILL	CONVERT	DRILL DEEPER	REDRILL	FRACTURE OR STIMULATE			
PLUG OFF OLD FORMATION	PERFORATE NEW FORMATION	OTHER PHYSICAL CHANGE IN WELL (SPECIFY)	AS DRILLED	PLUG & ABANDON	CLEAN OUT & REPLUG		
TARGET FORMATION	MARCELLUS	ESTIMATED DEPTH	6,408' TVD 15,290' MD	WELL OPERATOR	ANTERO RESOURCES CORP.	DESIGNATED AGENT	DIANNA STAMPER
ADDRESS	1615 WYNKOOP STREET	DENVER, CO 80202		ADDRESS	5400 D BIG TYLER ROAD	CHARLESTON, WV 25313	

FORM WW-6

COUNTY NAME PERMIT