

LATITUDE 39°12'30"

9,364'

1,229' TO BOTTOM HOLE
LATITUDE 39°12'30"

668' TO BOTTOM HOLE
LONGITUDE 80°42'30"

8,260'

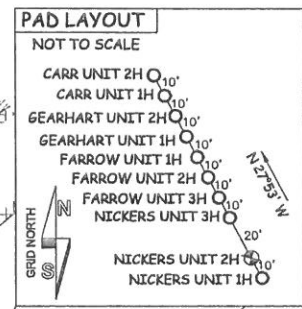
LONGITUDE 80°40'00"

Antero Resources Corporation
Well No. Nickers Unit 2H
47-017-06311 (AS DRILLED)

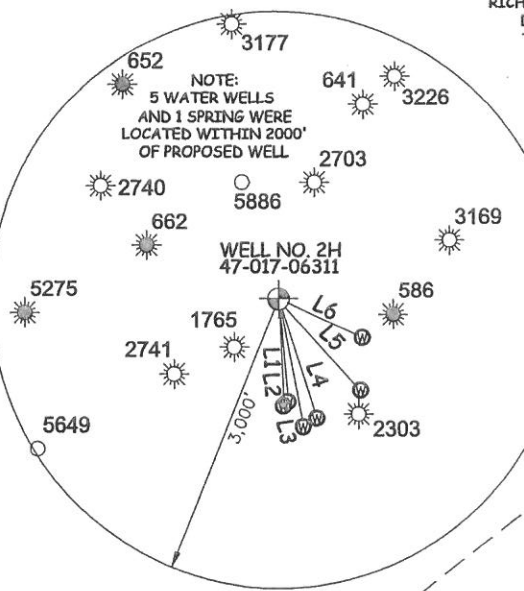
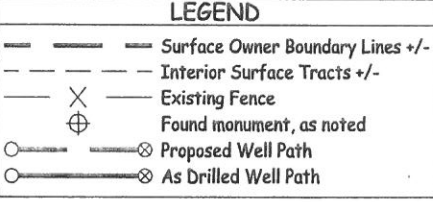
LINE	BEARING	DISTANCE
L1	S 02°32' E	1116.9'
L2	S 05°07' E	1077.4'
L3	S 10°50' E	1354.7'
L4	S 17°49' E	1303.4'
L5	S 42°00' E	1281.9'
L6	S 64°54' E	969.2'

AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
 N: 252,000ft E: 1,659,941ft
 LAT: 39°11'08.36" LON: 80°41'58.93"
BOTTOM HOLE INFORMATION:
 N: 259,641ft E: 1,656,368ft
 LAT: 39°12'23.40" LON: 80°42'45.61"
 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: 4,337,432m E: 525,950m
BOTTOM HOLE INFORMATION:
 N: 4,339,742m E: 524,823m



- 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 # 13-029WA
 DRAWING # NICKERS2HAD
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY **SUBMETER**
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS



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

DATE 05/22/15
 OPERATOR'S WELL# NICKERS UNIT #2H

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 1,105' ORIGINAL - 1,096' AS DRILLED WATERSHED HEADWATERS OF MIDDLE ISLAND CREEK
 QUADRANGLE NEW MILTON 7.5' DISTRICT NEW MILTON COUNTY DODDRIDGE

SURFACE OWNER JOHNNIE CLINE ET AL ACREAGE 70.088 ACRES +/-
 OIL & GAS ROYALTY OWNER FRANK HINTER ET AL; GROVER JOHNSON ET AL; LEASE ACREAGE 329.73 ACRES±; 153.25 ACRES±; 156 ACRES±; 117.197 ACRES±; 211 ACRES±
S.A. HURST ET UX; RUBY GENE DICKS; STOKES HURST JR. ET UX

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 7,034' TVD 15,473' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
 ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT