

LATITUDE 39°20'00"

9,474'

1,742' TO BOTTOM HOLE
LATITUDE 39°22'30"

LONGITUDE 80°42'30"

5,630'

12,955' TO BOTTOM HOLE

LONGITUDE 80°40'00"

Antero Resources Corporation
Well No. Heflin Unit 2H
47-017-06301 (AS DRILLED)

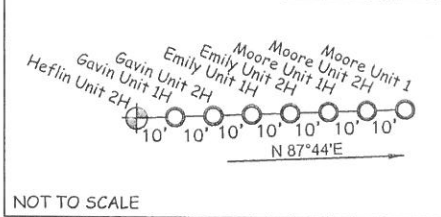
AS DRILLED DATA:
WELL 2H TOP HOLE INFORMATION:
N: 300,156ft E: 1,660,457ft
LAT: 39°19'04.36" LON: 80°42'00.55"
BOTTOM HOLE INFORMATION:
N: 308,060ft E: 1,656,506ft
LAT: 39°20'21.95" LON: 80°42'52.18"
WEST VIRGINIA COORDINATE
SYSTEM OF 1927 NORTH ZONE.
ZONE WAS DERIVED FROM
MEASUREMENTS TAKEN WITH
TRIMBLE 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: 4,352,105m E: 525,863m
BOTTOM HOLE INFORMATION:
N: 4,354,493m E: 524,619m

NOTES

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.

PAD LAYOUT



JOB # 12-158WA
DRAWING # HEFLIN2HAD
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



STATE OF WEST VIRGINIA, DIVISION
OF ENVIRONMENTAL PROTECTION,
OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC
P.O. BOX 17
PENNSBORO, WV 26415

LEGEND
 - - - - - Surface Owner Boundary Lines +/-
 - - - - - Interior Surface Tracts +/-
 x - x - x Existing Fence
 ⊕ Found monument, as noted
 ○ - - - - - Proposed Well Path
 ⊙ - - - - - As Drilled Well Path

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION 1,257' ORIGINAL 1,237' - AS-DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
 QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT

DATE 03/30/15
OPERATOR'S WELL# HEFLIN UNIT #2H
API WELL # 017 - 06301

SURFACE OWNER DWIGHT E. & TINA M. MOORE ACREAGE 111.04 ACRES +/-
 OIL & GAS ROYALTY OWNER DWIGHT MOORE ET UX; W.J. HEFLIN; JOHNSON WILLIAMS; LEASE ACREAGE 238 ACRES±; 89 ACRES±; 52.9 ACRES±;
 JAMES SIMPSON ET AL.; ELIZABETH SHANKOUICH; JOHNSON WILLIAMS ET UX; HOPE NATURAL GAS; DEPL 40 ACRES±; 53 ACRES±; 100 ACRES±; 147.5 ACRES±; 65.10 ACRES±

STATE COUNTY PERMIT
COUNTY COUNTY DODDRIDGE

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 7,098' TVD 15,874' 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