

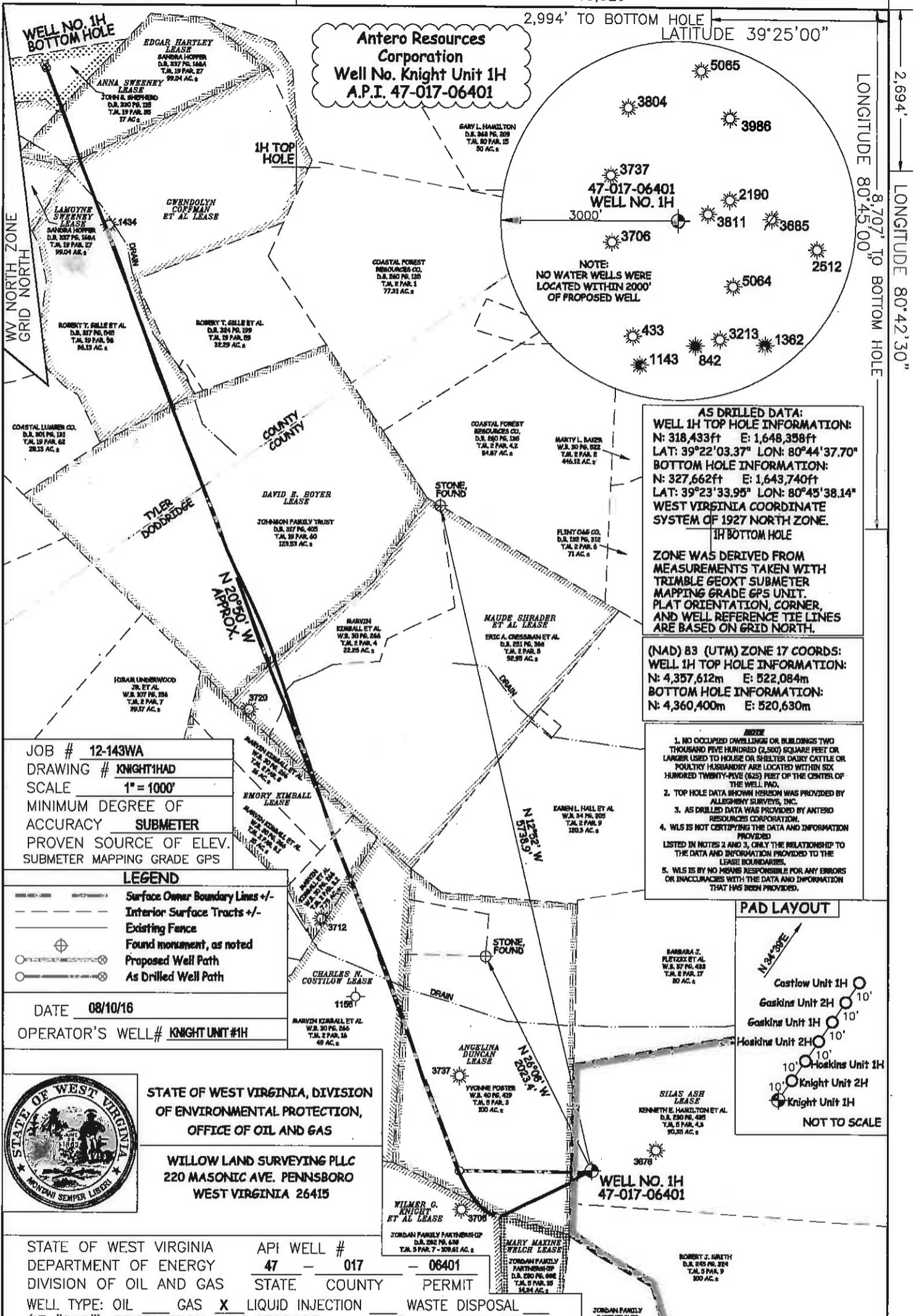
LATITUDE 39°22'30"

10,029'

2,994' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 80°45'00" LONGITUDE 80°42'30"



Antero Resources Corporation
Well No. Knight Unit 1H
A.P.I. 47-017-06401

NOTE:
 NO WATER WELLS WERE
 LOCATED WITHIN 2000'
 OF PROPOSED WELL

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
 N: 318,433ft E: 1,648,358ft
 LAT: 39°22'03.37" LON: 80°44'37.70"
BOTTOM HOLE INFORMATION:
 N: 327,662ft E: 1,643,740ft
 LAT: 39°23'33.95" LON: 80°45'38.14"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
1H BOTTOM HOLE

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: 4,357,612m E: 522,084m
BOTTOM HOLE INFORMATION:
 N: 4,360,400m E: 520,630m

- 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 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.

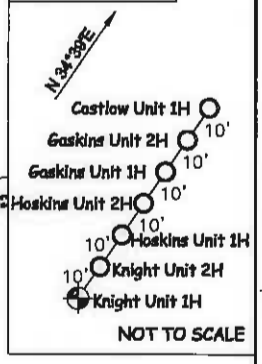
JOB # **12-143WA**
 DRAWING # **KNIGHT1HAD**
 SCALE **1" = 1000'**
 MINIMUM DEGREE OF ACCURACY **SUBMETER**
 PROVEN SOURCE OF ELEV. **SUBMETER MAPPING GRADE GPS**

LEGEND

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

DATE **08/10/16**
 OPERATOR'S WELL # **KNIGHT UNIT #1H**

PAD LAYOUT



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

WILLOW LAND SURVEYING PLLC
 220 MASONIC AVE. PENNSBORO
 WEST VIRGINIA 26415

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

API WELL # **47 - 017 - 06401**

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION **ORIG 1,171' - AS BUILT 1,157'** WATERSHED **McELROY CREEK**

QUADRANGLE **SMITHBURG 7.5 (TH) SHIRLEY 7.5 (TH)** DISTRICT **GRANT** COUNTY **DODDRIDGE**

SURFACE OWNER **KENNETH E. HAMILTON ET AL** ACREAGE **90.35 ACRES +/-**

OIL & GAS ROYALTY OWNER **SILAS ASH; ANGELINA DUNCAH; MARY MAXINE WELCH; WILMER G. KNIGHT ET AL; CHARLES N. COSTILOW; EMORY KIMBALL; MAUDE SHRADER ET AL; DAVID E. BOYER; GWENDOLYN COFFMAN ET AL; EDGAR HARTLEY; ANNA SWEENEY**

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 **6,933' TVD 17,363' 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**

10/28/2016

COUNTY NAME PERMIT