

LATITUDE 39°22'30"

6,960'

8,616' TO BOTTOM HOLE

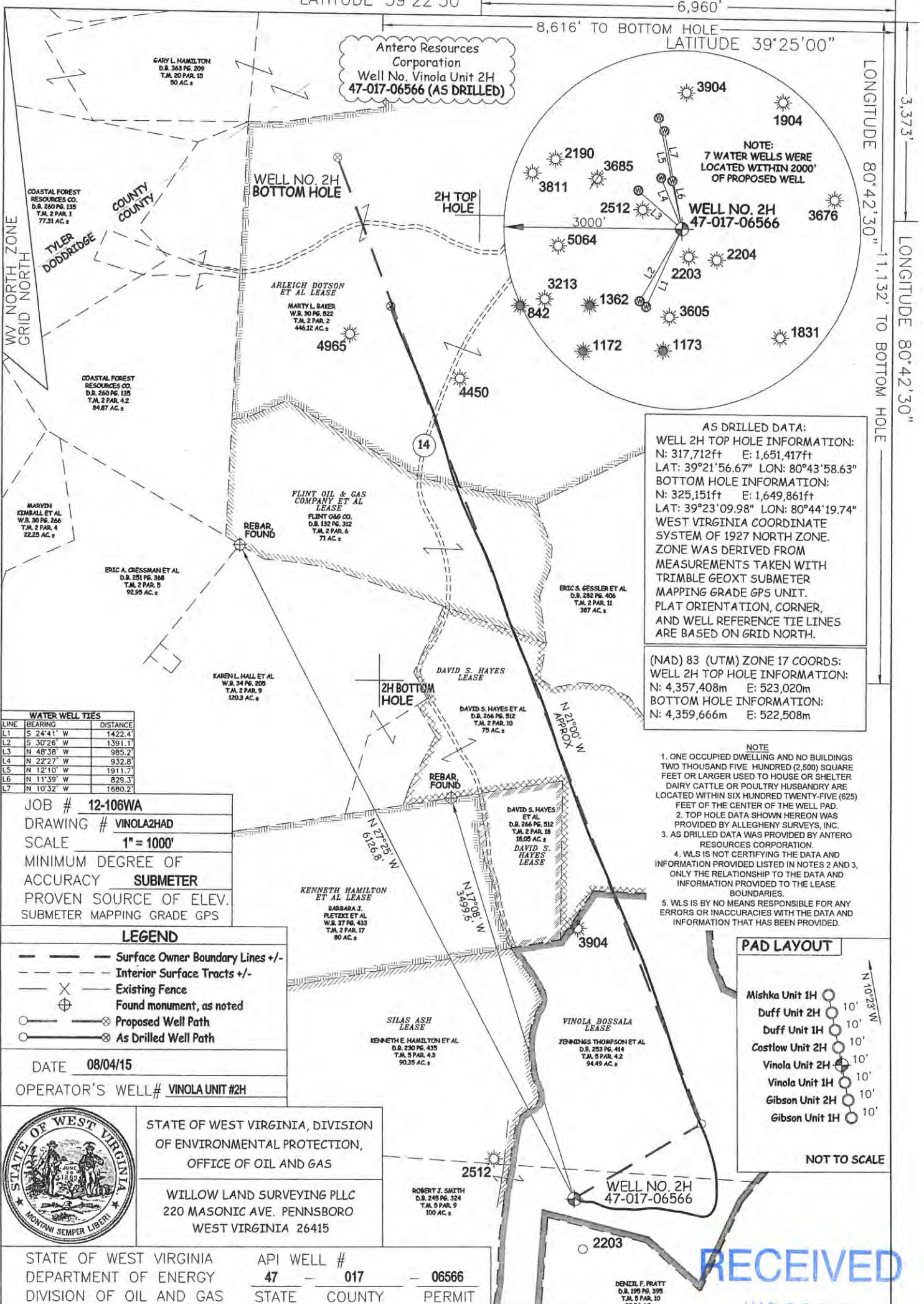
LATITUDE 39°25'00"

3,373'

LONGITUDE 80°42'30"

1,132' TO BOTTOM HOLE

LONGITUDE 80°42'30"



LINE	BEARING	DISTANCE
L1	S 24°41' W	1422.4'
L2	S 30°26' W	1391.1'
L3	N 48°38' W	985.2'
L4	N 22°27' W	932.8'
L5	N 12°10' W	1911.7'
L6	N 11°39' W	829.3'
L7	N 10°32' W	1680.2'

JOB # **12-106WA**
 DRAWING # **VINOLA2HAD**
 SCALE **1" = 1000'**
 MINIMUM DEGREE OF ACCURACY **SUBMETER**
 PROVEN SOURCE OF ELEV. **SUBMETER MAPPING GRADE GPS**

LEGEND

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

DATE **08/04/15**
 OPERATOR'S WELL# **VINOLA UNIT #2H**



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 - 06566**
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION **1,004' ORIGINAL - 998' AS DRILLED** WATERSHED **MCELROY CREEK**
 QUADRANGLE **SMITHBURG (TH) CENTERPOINT (BH)** DISTRICT **GRANT** COUNTY **DODDRIDGE**
 SURFACE OWNER **ROBERT J. SMITH** ACREAGE **100 ACRES +/-**

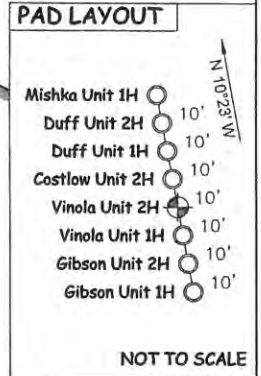
OIL & GAS ROYALTY OWNER **VINOLA BOSSALA; DAVID S. HAYES; FLINT OIL & GAS COMPANY ET AL; ARLEIGH DOTSON ET AL**
 LEASE ACREAGE **120 ACRES±; 75 ACRES±; 446.5 ACRES±; 167.29 ACRES±**
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE
 PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) **(X) AS DRILLED** PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION **MARCELLUS** ESTIMATED DEPTH **6,859' TVD 14,994' 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**

AS DRILLED DATA:
 WELL 2H TOP HOLE INFORMATION:
 N: 317,712ft E: 1,651,417ft
 LAT: 39°21'56.67" LON: 80°43'58.63"
 BOTTOM HOLE INFORMATION:
 N: 325,151ft E: 1,649,861ft
 LAT: 39°23'09.98" LON: 80°44'19.74"
 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: 4,357,408m E: 523,020m
 BOTTOM HOLE INFORMATION:
 N: 4,359,666m E: 522,508m

- NOTE**
- ONE OCCUPIED DWELLING AND NO 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.
 - TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ALLEGHENY SURVEYS, INC.
 - AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - 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.
 - WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.



RECEIVED
MAR 23 2016
WV GEOLOGICAL SURVEY
MORGANTOWN, WV