

LATITUDE 39°22'30" 1,631'

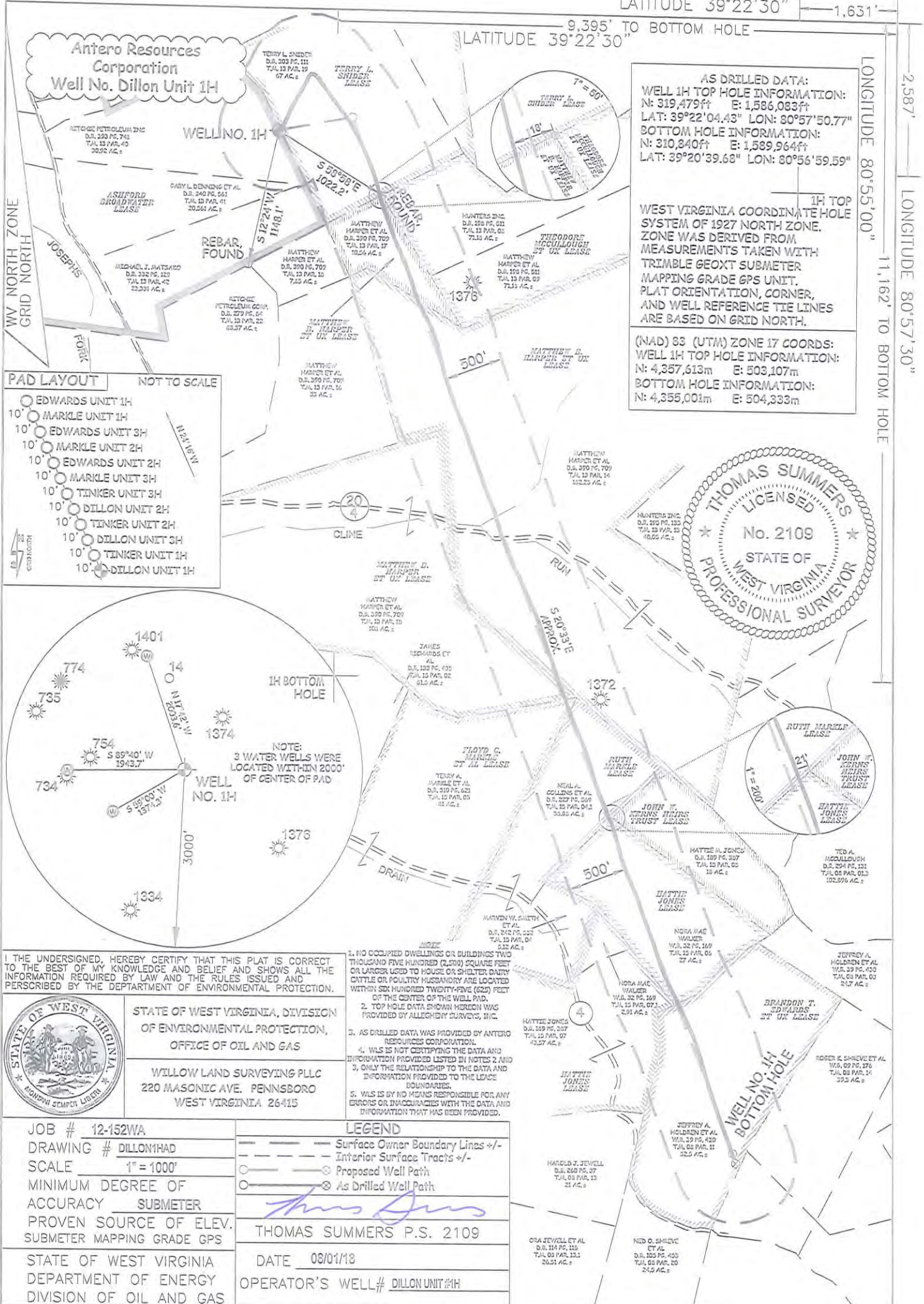
9,395' TO BOTTOM HOLE
LATITUDE 39°22'30"

LONGITUDE 80°55'00"

2,587'

LONGITUDE 80°57'30"

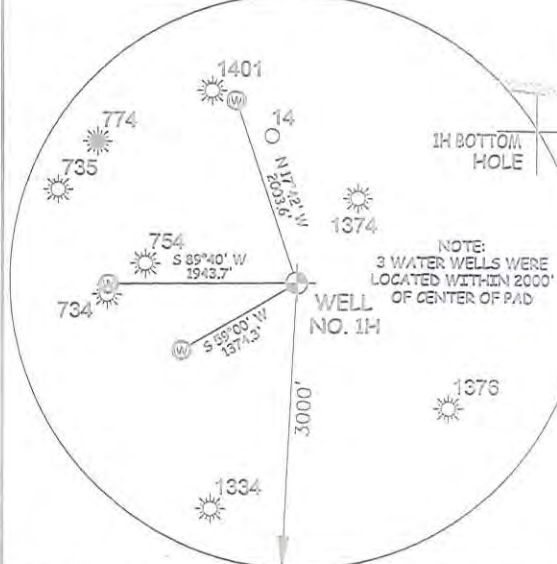
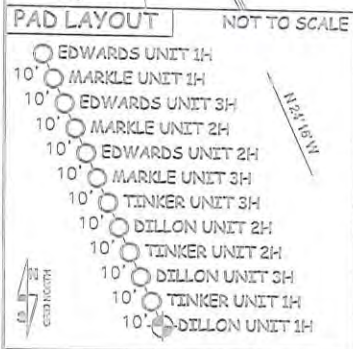
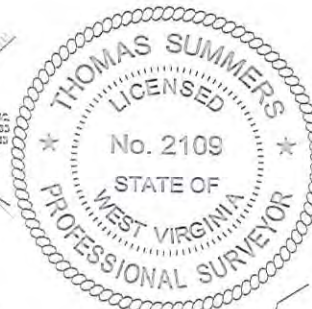
11,162' TO BOTTOM HOLE



AS DRILLED DATA:
 WELL 1H TOP HOLE INFORMATION:
 N: 319,479ft E: 1,586,083ft
 LAT: 39°22'04.43" LON: 80°57'50.77"
 BOTTOM HOLE INFORMATION:
 N: 310,840ft E: 1,589,964ft
 LAT: 39°20'39.68" LON: 80°56'59.59"

1H TOP WEST VIRGINIA COORDINATE HOLE 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 1H TOP HOLE INFORMATION:
 N: 4,357,613m E: 503,107m
 BOTTOM HOLE INFORMATION:
 N: 4,355,001m E: 504,333m



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
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

- NOTE
1. NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,000) 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 # 12-152WA
 DRAWING # DILLON1HAD
 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

LEGEND

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

THOMAS SUMMERS P.S. 2109

DATE 09/01/18

OPERATOR'S WELL# DILLON UNIT 1H

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL 47 - 095 - 02373

(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW STATE COUNTY PERMIT

LOCATION: ELEVATION 1,146.5' AS-BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK

QUADRANGLE PENNSBORO 7.5' DISTRICT MEADE COUNTY TYLER

SURFACE OWNER RITCHIE PETROLEUM INC. ACREAGE 30.92 ACRES +/-

OIL & GAS ROYALTY OWNER ASHFORD BROADWATER; TERRY L. SNIDER; THEODORE MCCULLOUGH ET UX; LEASE ACREAGE 583.712 AC:: 67 AC:: 188.72 AC::

MATTHEW B. HARPER ET UX; MATTHEW D. HARPER ET UX; MATTHEW D. HARPER ET UX; FLOYD C. MARKLE ET AL; RUTH MARKLE; HATTIE JONES; BRANDON T. EDWARDS ET UX 10.55 AC:: 182.25 AC:: 108 AC:: 81 AC:: 44 AC:: 27 AC:: 52.5 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

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,459' TVD 16,055' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM

ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD

FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313