

LATITUDE 39°12'30"

9,378'

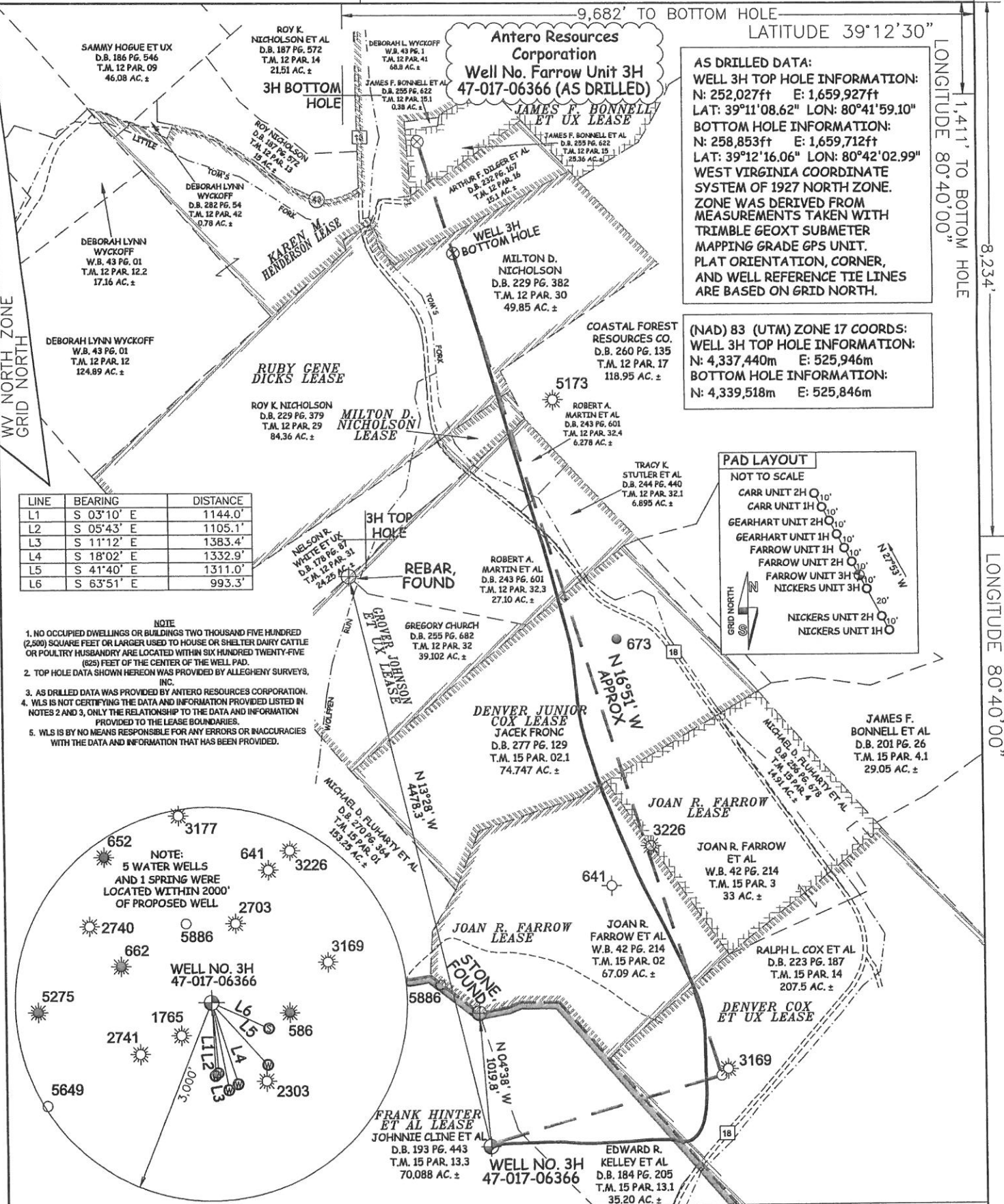
9,682' TO BOTTOM HOLE

LATITUDE 39°12'30"

LONGITUDE 80°40'00"

8,234'

LONGITUDE 80°40'00"

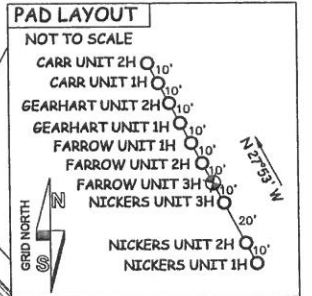
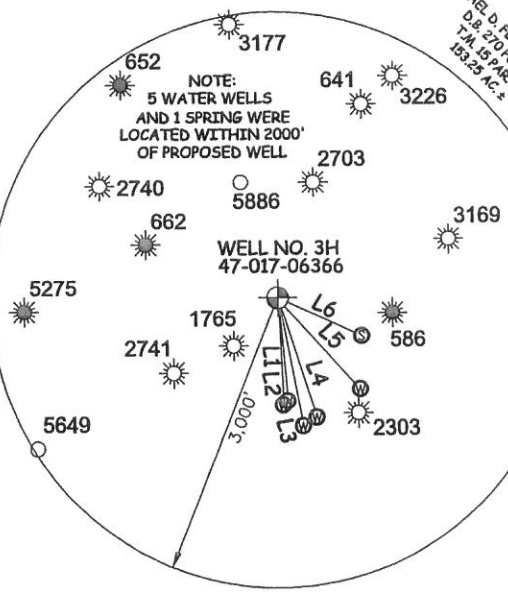


AS DRILLED DATA:
WELL 3H TOP HOLE INFORMATION:
 N: 252,027ft E: 1,659,927ft
 LAT: 39°11'08.62" LON: 80°41'59.10"
BOTTOM HOLE INFORMATION:
 N: 258,853ft E: 1,659,712ft
 LAT: 39°12'16.06" LON: 80°42'02.99"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE.
 ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH 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 3H TOP HOLE INFORMATION:
 N: 4,337,440m E: 525,946m
BOTTOM HOLE INFORMATION:
 N: 4,339,518m E: 525,846m

LINE	BEARING	DISTANCE
L1	S 03°10' E	1144.0'
L2	S 05°43' E	1105.1'
L3	S 11°12' E	1383.4'
L4	S 18°02' E	1332.9'
L5	S 41°40' E	1311.0'
L6	S 63°51' E	993.3'

- 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 # 13-067WA
 DRAWING # FARROW3HAD
 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

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

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; DENVER COX ET UX; JOAN R. FARROW; LEASE ACREAGE 329.73 AC±; 206 AC±; 67 AC±;
 DENVER JUNIOR COX; GROVER JOHNSON ET UX; MILTON D. NICHOLSON; RUBY GENE DICKS 80 AC±; 81 AC±; 5.9 AC±; 117.197 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 PLUG & ABANDON CLEAN OUT & REPLUG
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,041' TVD 14,253' 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