

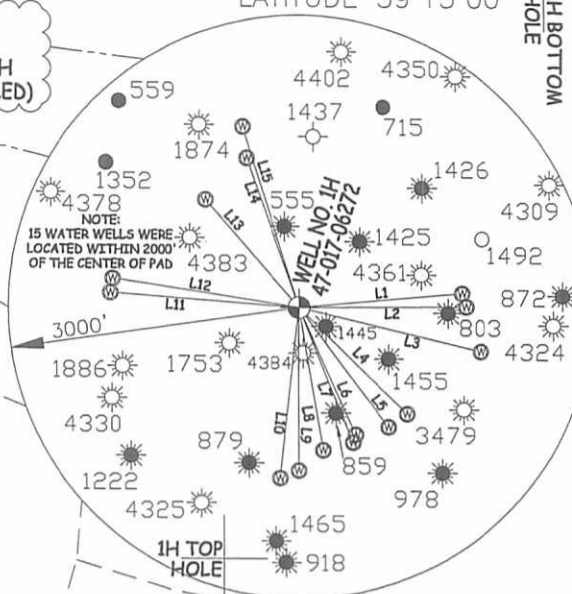
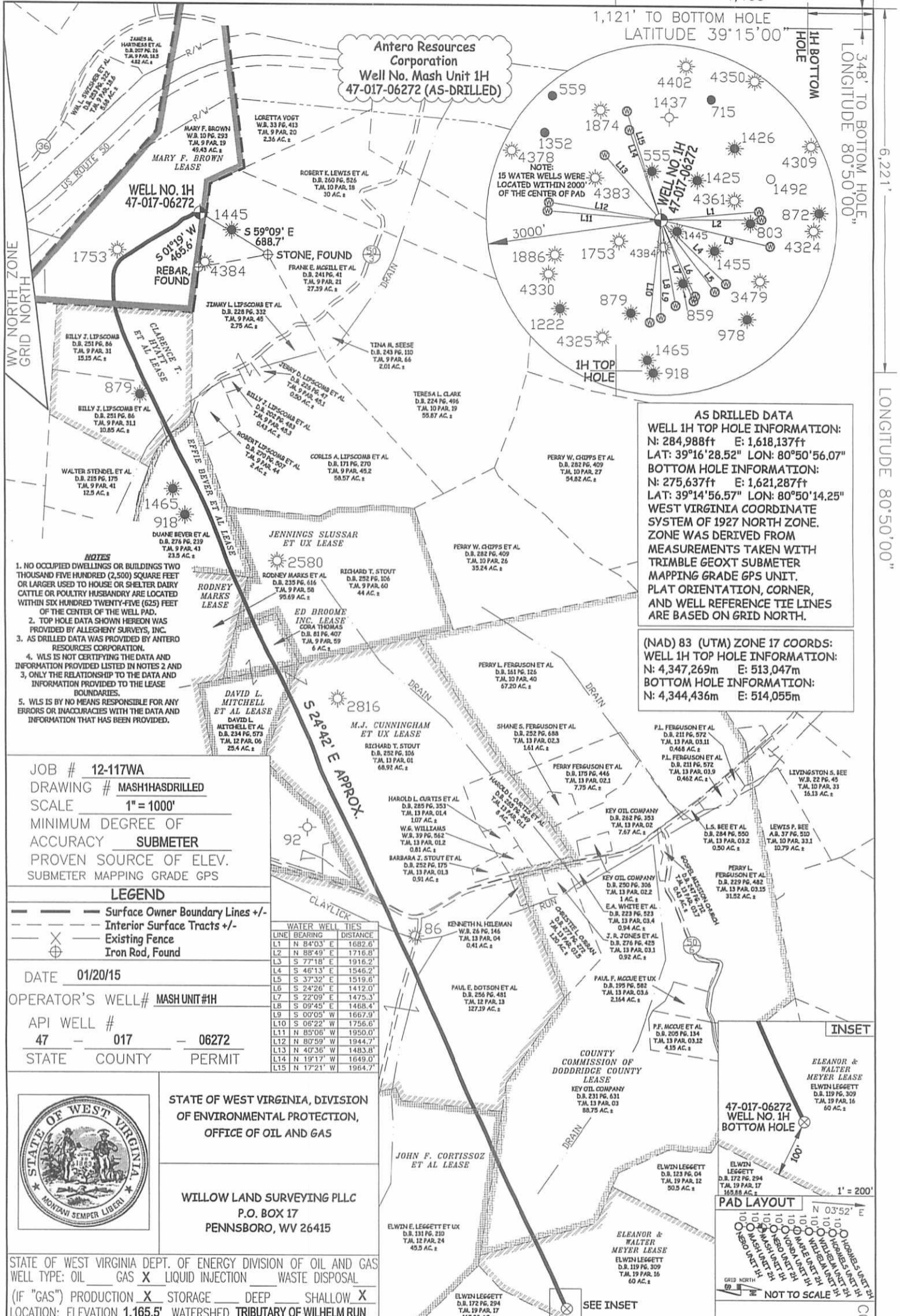
LATITUDE 39°17'30"

4,409'
1,121' TO BOTTOM HOLE
LATITUDE 39°15'00"

348' TO BOTTOM HOLE
LONGITUDE 80°50'00"

6,221'

LONGITUDE 80°50'00"



AS DRILLED DATA
WELL 1H TOP HOLE INFORMATION:
 N: 284,988ft E: 1,618,137ft
BOTTOM HOLE INFORMATION:
 N: 275,637ft E: 1,621,287ft
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 1H TOP HOLE INFORMATION:
 N: 4,347,269m E: 513,047m
BOTTOM HOLE INFORMATION:
 N: 4,344,436m E: 514,055m

- 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.

JOB # 12-117WA
DRAWING # MASH1HASDRILLED
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
 ⊕ Iron Rod, Found

DATE 01/20/15
OPERATOR'S WELL# MASH UNIT #1H
API WELL # 47 - 017 - 06272
STATE COUNTY PERMIT

LINE	BEARING	DISTANCE
L1	N 84°03' E	1682.6'
L2	N 88°49' E	1716.8'
L3	S 77°18' E	1916.2'
L4	S 46°13' E	1546.2'
L5	S 37°32' E	1519.8'
L6	S 24°26' E	1412.0'
L7	S 22°09' E	1475.3'
L8	S 09°45' E	1468.4'
L9	S 00°05' W	1667.9'
L10	S 06°22' W	1756.6'
L11	N 85°06' W	1950.0'
L12	N 80°59' W	1944.7'
L13	N 40°36' W	1483.8'
L14	N 19°17' W	1649.0'
L15	N 17°21' W	1984.7'



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
 P.O. BOX 17
 PENNSBORO, WV 26415

STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS
 WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1,165.5' WATERSHED TRIBUTARY OF WILHELM RUN

QUADRANGLE WEST UNION 7.5' (TH) OXFORD 7.5' (BH) DISTRICT CENTRAL COUNTY DODDRIDGE

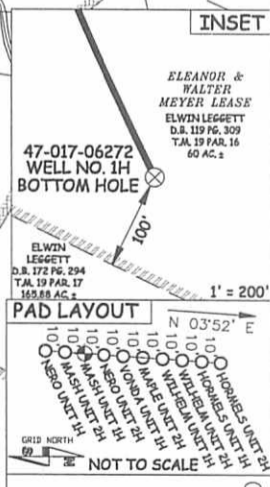
SURFACE OWNER MARY F. BROWN **ACREAGE** 49.43 ACRES +/-

OIL & GAS ROYALTY OWNER MARY F. BROWN; CLARENCE T. HYATT ET AL.; EFFIE BEVER ET AL.; RODNEY MARKS; LEASE ACREAGE 55.65 AC±; 31.5 AC±; 23.5 AC±; 100 AC±; JENNINGS SLUSSAR ET UX; ED BROOME INC.; DAVID L. MITCHELL ET AL.; M.J. CUNNINGHAM ET UX; JOHN F. CORTISSOZ ET AL.; COUNTY COMMISSION OF DODDRIDGE COUNTY; ELEANOR & WALTER MEYER 44 AC±; 6 AC±; 26.017 AC±; 228 AC±; 79.5 AC±; 237 AC±; 90 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** 6,771' TVD 16,488' 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**



05/06/2022