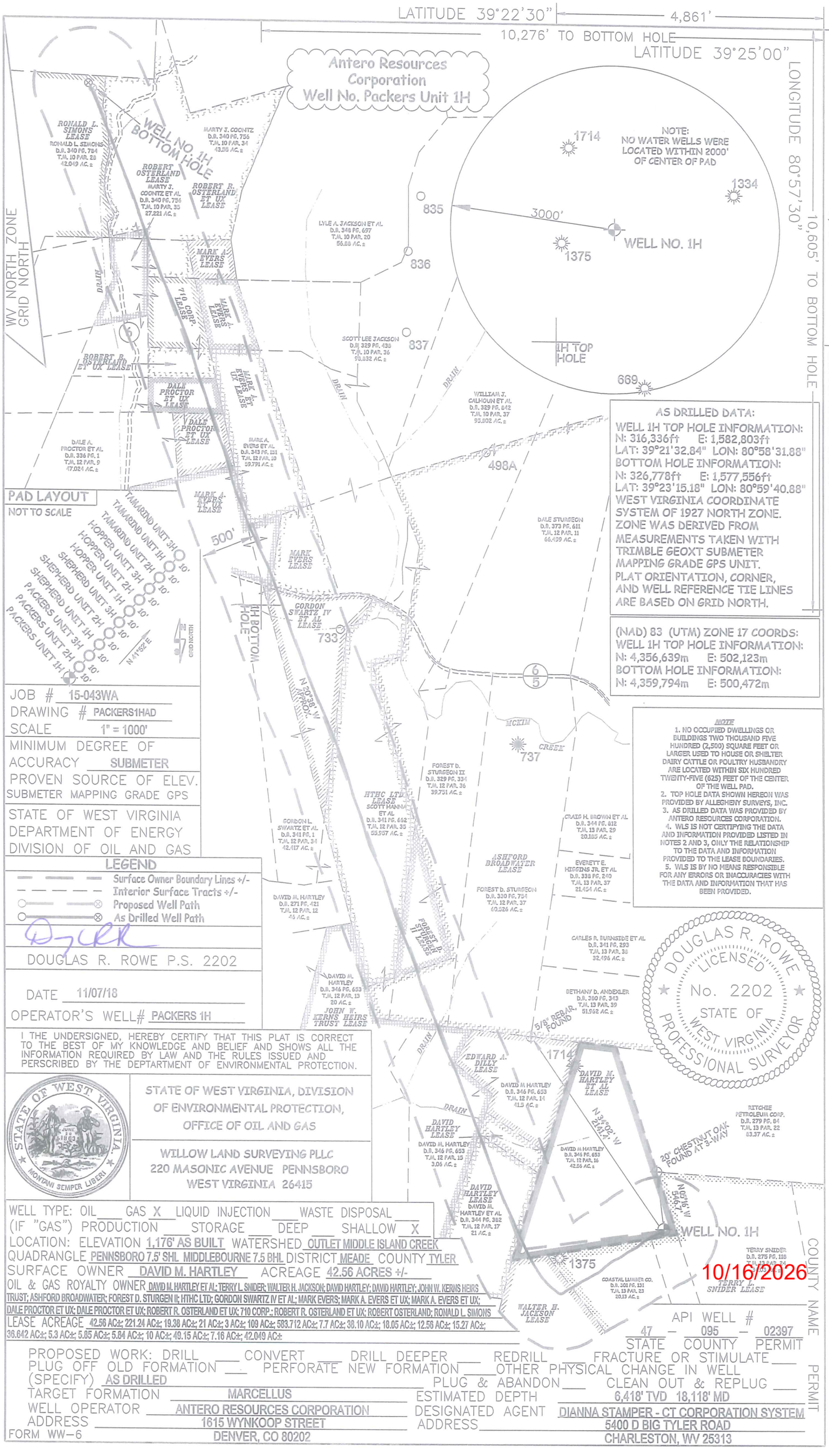

LATITUDE 39°22'30"
4,861'
10,276' TO BOTTOM HOLE
LATITUDE 39°25'00"
LONGITUDE 80°57'30"
10,605' TO BOTTOM HOLE
5,784'
LONGITUDE 80°57'30"
Antero Resources Corporation
Well No. Packers Unit 1H
WV NORTH ZONE GRID NORTH
WELL NO. 1H BOTTOM HOLE
NOTE: NO WATER WELLS WERE LOCATED WITHIN 2000' OF CENTER OF PAD
1714
1334
3000'
WELL NO. 1H
1375
1H TOP HOLE
669
835
836
837
498A
733
737
RONALD L. SIMONS LEASE
RONALD L. SIMONS D.B. 340 PG. 784 T.M. 10 PAR. 28 42.049 AC.±
MARTY J. COONTZ D.B. 340 PG. 756 T.M. 10 PAR. 34 43.56 AC.±
ROBERT OSTERLAND LEASE
MARTY J. COONTZ ET AL D.B. 340 PG. 756 T.M. 10 PAR. 35 27.221 AC.±
ROBERT R. OSTERLAND ET UX LEASE
LYLE A. JACKSON ET AL D.B. 348 PG. 697 T.M. 10 PAR. 20 56.88 AC.±
MARK A. EVERS LEASE
710 CORP. LEASE
SCOTT LEE JACKSON D.B. 329 PG. 436 T.M. 10 PAR. 36 90.832 AC.±
DALE PROCTOR ET UX LEASE
DALE A. PROCTOR ET AL D.B. 336 PG. 1 T.M. 12 PAR. 9 47.024 AC.±
MARK A. EVERS ET AL D.B. 343 PG. 551 T.M. 12 PAR. 10 59.791 AC.±
WILLIAM J. CALHOUN ET AL D.B. 329 PG. 642 T.M. 10 PAR. 37 95.802 AC.±
DALE STURGEON D.B. 373 PG. 611 T.M. 12 PAR. 11 66.439 AC.±
GORDON SWARTZ, IV ET AL LEASE
FOREST D. STURGEON II D.B. 329 PG. 334 T.M. 12 PAR. 36 99.751 AC.±
HTHC LTD LEASE SCOTT HANNA ET AL D.B. 341 PG. 662 T.M. 12 PAR. 33 55.597 AC.±
GORDON L. SWARTZ ET AL D.B. 341 PG. 1 T.M. 12 PAR. 34 42.417 AC.±
CRAIG H. BROWN ET AL D.B. 344 PG. 612 T.M. 13 PAR. 29 20.155 AC.±
ASHFORD BROADWATER LEASE
EVERETT E. HIGGINS JR. ET AL D.B. 338 PG. 240 T.M. 13 PAR. 37 21.404 AC.±
FOREST D. STURGEON D.B. 330 PG. 734 T.M. 12 PAR. 37 60.526 AC.±
DAVID M. HARTLEY D.B. 271 PG. 421 T.M. 12 PAR. 12 45 AC.±
FOREST D. STURGEON LEASE
CARLES R. BURNSIDE ET AL D.B. 341 PG. 293 T.M. 13 PAR. 38 32.496 AC.±
BETHANY D. ANDEXLER D.B. 350 PG. 343 T.M. 13 PAR. 39 51.592 AC.±
DAVID M. HARTLEY D.B. 346 PG. 653 T.M. 12 PAR. 13 20 AC.±
JOHN W. KERNS HEIRS TRUST LEASE
5/8" REBAR FOUND
EDWARD A. DILLY LEASE
DAVID M HARTLEY D.B. 346 PG. 653 T.M. 12 PAR. 14 41.5 AC.±
DAVID M. HARTLEY ET AL LEASE
DRAIN
DAVID HARTLEY LEASE
DAVID M HARTLEY D.B. 346 PG. 653 T.M. 12 PAR. 15 3.05 AC.±
DAVID M HARTLEY D.B. 346 PG. 653 T.M. 12 PAR. 16 42.56 AC.±
N 33°02' W 2141'±
RITCHIE PETROLEUM CORP. D.B. 279 PG. 84 T.M. 13 PAR. 22 83.37 AC.±
20" CHESTNUT OAK FOUND AT 3-WAY
N 69°15' W 1,042'±
DAVID HARTLEY LEASE
DAVID M. HARTLEY ET AL D.B. 344 PG. 382 T.M. 12 PAR. 17 21 AC.±
WELL NO. 1H
TERRY L. SNIDER D.B. 275 PG. 116 T.M. 13 PAR. 24 TERRY L. SNIDER LEASE
COASTAL LUMBER CO. D.B. 201 PG. 131 T.M. 13 PAR. 23 20.13 AC.±
WALTER H. JACKSON LEASE
PAD LAYOUT
NOT TO SCALE
TAMARIND UNIT 3H
TAMARIND UNIT 1H
TAMARIND UNIT 2H
HOPPER UNIT 3H
HOPPER UNIT 2H
HOPPER UNIT 1H
SHEPHERD UNIT 3H
SHEPHERD UNIT 2H
SHEPHERD UNIT 1H
PACKERS UNIT 3H
PACKERS UNIT 2H
PACKERS UNIT 1H
10'
500'
N 41°52' E
GRID NORTH
1H BOTTOM HOLE
N 20°38' W 2,870'±
AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 316,336ft E: 1,582,803ft
LAT: 39°21'32.84" LON: 80°58'31.88"
BOTTOM HOLE INFORMATION:
N: 326,778ft E: 1,577,556ft
LAT: 39°23'15.18" LON: 80°59'40.88"
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: 4,356,639m E: 502,123m
BOTTOM HOLE INFORMATION:
N: 4,359,794m E: 500,472m
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 # 15-043WA
DRAWING # PACKERS1HAD
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
DRR
DOUGLAS R. ROWE P.S. 2202
DATE 11/07/18
OPERATOR'S WELL# PACKERS 1H
DOUGLAS R. ROWE LICENSED No. 2202 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR
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 DEPTARTMENT OF ENVIRONMENTAL PROTECTION.
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVENUE PENNSBORO
WEST VIRGINIA 26415
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 1,176' AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK
QUADRANGLE PENNSBORO 7.5' SHL MIDDLEBOURNE 7.5 BHL DISTRICT MEADE COUNTY TYLER
SURFACE OWNER DAVID M. HARTLEY ACREAGE 42.56 ACRES +/-
OIL & GAS ROYALTY OWNER DAVID M. HARTLEY ET AL; TERRY L. SNIDER; WALTER H. JACKSON; DAVID HARTLEY; DAVID HARTLEY; JOHN W. KERNS HEIRS TRUST; ASHFORD BROADWATER; FOREST D. STURGEN II; HTHC LTD; GORDON SWARTZ IV ET AL; MARK EVERS; MARK A. EVERS ET UX; MARK A. EVERS ET UX; DALE PROCTOR ET UX; DALE PROCTOR ET UX; ROBERT R. OSTERLAND ET UX; 710 CORP.; ROBERT R. OSTERLAND ET UX; ROBERT OSTERLAND; RONALD L. SIMONS
LEASE ACREAGE 42.56 AC±; 221.24 AC±; 19.38 AC±; 21 AC±; 3 AC±; 109 AC±; 583.712 AC±; 7.7 AC±; 38.10 AC±; 18.05 AC±; 12.56 AC±; 15.27 AC±; 36.642 AC±; 5.3 AC±; 5.85 AC±; 5.84 AC±; 10 AC±; 49.15 AC±; 7.16 AC±; 42.049 AC±
API WELL # 47 - 095 - 02397
STATE COUNTY PERMIT
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 6,418' TVD 18,118' MD
WELL OPERATOR ANTERO RESOURCES CORPORATION DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
DENVER, CO 80202 CHARLESTON, WV 25313
FORM WW-6
COUNTY NAME PERMIT
10/16/2026