

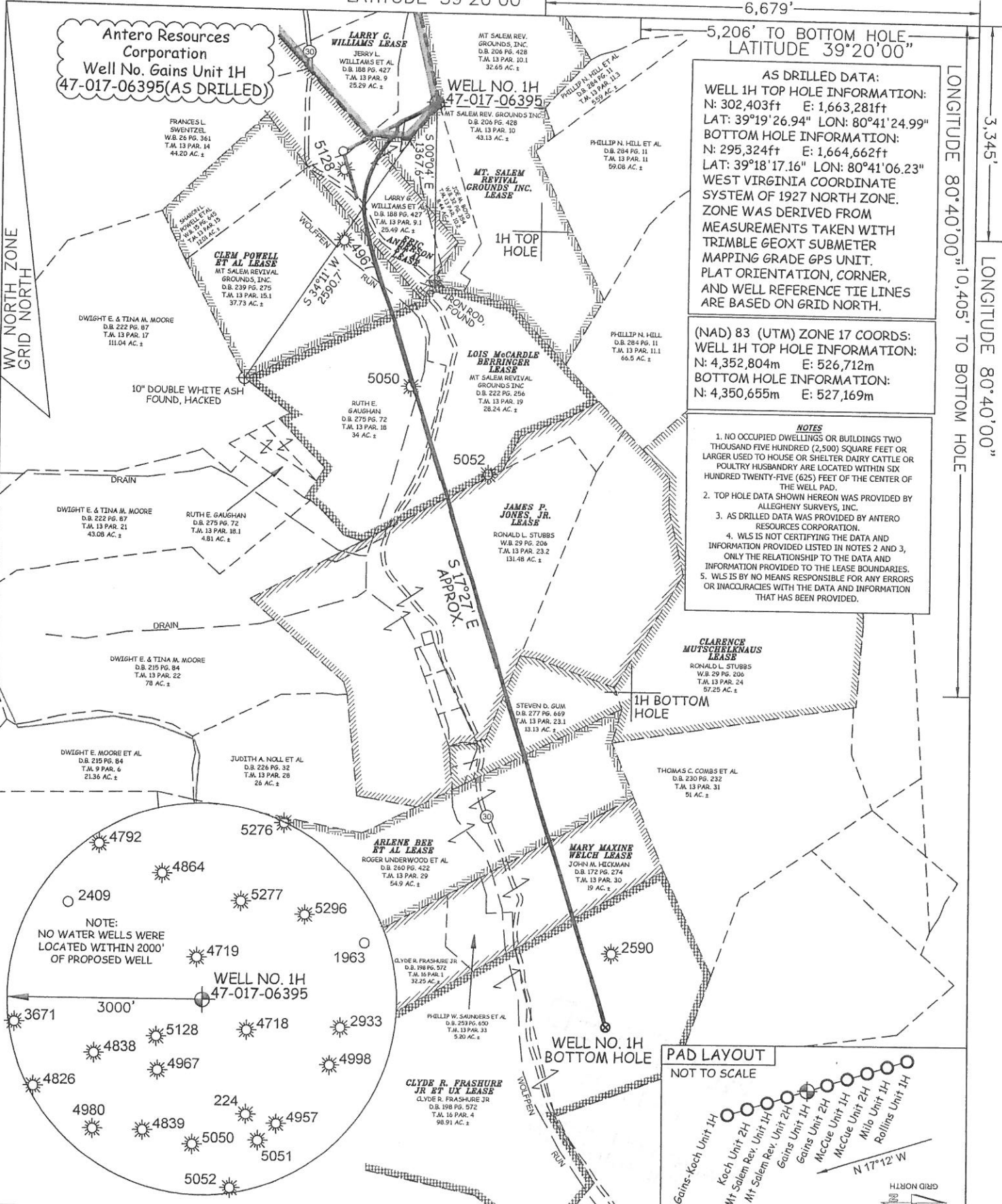
LATITUDE 39°20'00"

6,679'

5,206' TO BOTTOM HOLE
LATITUDE 39°20'00"

LONGITUDE 80°40'00" TO BOTTOM HOLE
3,345'

LONGITUDE 80°40'00"



Antero Resources Corporation
Well No. Gains Unit 1H
47-017-06395 (AS DRILLED)

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 302,403ft E: 1,663,281ft
LAT: 39°19'26.94" LON: 80°41'24.99"
BOTTOM HOLE INFORMATION:
N: 295,324ft E: 1,664,662ft
LAT: 39°18'17.16" LON: 80°41'06.23"
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: 4,352,804m E: 526,712m
BOTTOM HOLE INFORMATION:
N: 4,350,655m E: 527,169m

- 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.

CLARENCE MUTSCHELKNAUS LEASE
RONALD L. STUBBS
W.B. 29 PG. 208
T.M. 13 PAR. 24
57.25 AC. ±

MARY MAXINE WELCH LEASE
JOHN M. HECUMAN
D.B. 172 PG. 274
T.M. 13 PAR. 30
19 AC. ±

ARLENE BEE ET AL LEASE
ROGER UNDERWOOD ET AL
D.B. 260 PG. 422
T.M. 13 PAR. 29
54.9 AC. ±

MARY MAXINE WELCH LEASE
JOHN M. HECUMAN
D.B. 172 PG. 274
T.M. 13 PAR. 30
19 AC. ±

CLYDE R. FRASHURE JR ET AL LEASE
CLYDE R. FRASHURE JR
D.B. 198 PG. 572
T.M. 16 PAR. 4
98.91 AC. ±

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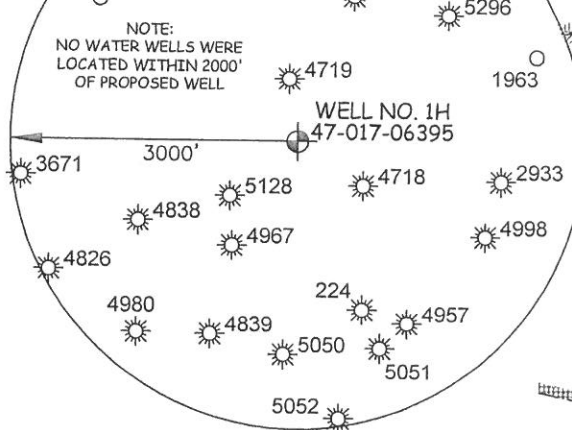
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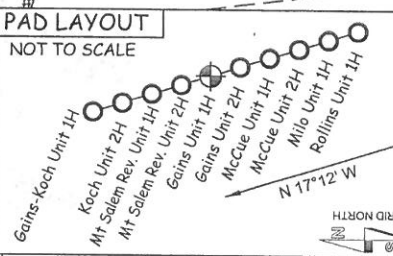
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CLYDE R. FRASHURE JR
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T.M. 16 PAR. 4
98.91 AC. ±



NOTE:
NO WATER WELLS WERE LOCATED WITHIN 2000' OF PROPOSED WELL



PAD LAYOUT
NOT TO SCALE

JOB # 13-077WA
DRAWING # GAINUNIT1HAD
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 +/-
 - - - Existing Fence
 - ⊕ Found monument, as noted
 - Proposed Well Path
 - ⊗ As Drilled Well Path

DATE 04/22/15
OPERATOR'S WELL# GAINS UNIT #1H

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 1,402' ORIGINAL - 1,376' AS-DRILLED WATERSHED HEADWATERS MIDDLE ISLAND CREEK
QUADRANGLE SMITHBURG 7.5'
SURFACE OWNER LARRY WILLIAMS ET AL DISTRICT GRANT COUNTY DODDRIDGE ACREAGE 25.49 ACRES +/-
OIL & GAS ROYALTY OWNER LARRY G. WILLIAMS, MT. SALEM REVIVAL GROUNDS INC., ERIC ANDERSON ET AL; LEASE ACREAGE 35.11 ACRES±; 72.7 ACRES±; 40 ACRES±; CLEM POWELL ET AL; LOIS MCCARDLE BERRINGER, JAMES P. JONES, JR.; CLARENCE MUTSCHELKNAUS; ARLENE BEE ET AL; MARY MAXINE WELCH; CLYDE RYLAN FRASHURE JR ET AL 51 AC.±; 67.5 AC.±; 141 AC.±; 57 AC.±; 55 AC.±; 63.434 AC.±; 131 AC.±
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 7,196' TVD 14,070' MD

WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS CT CORPORATION SYSTEM
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT