

LATITUDE 39°12'30"

6,890'

LATITUDE 39°10'00" 2,919' TO BOTTOM HOLE

LONGITUDE 80°52'30"

12.127' TO BOTTOM HOLE

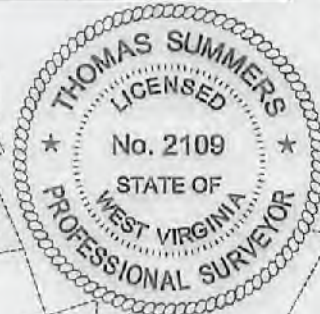
12.971'

LONGITUDE 80°52'30"

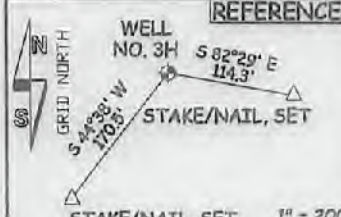
Antero Resources Corporation
Well No. Karen Unit 3H
47-085-10216

NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 248,109ft E: 1,603,295ft
LAT: 39°10'21.80" LON: 80°53'57.48"
BOTTOM HOLE INFORMATION:
N: 233,717ft E: 1,607,045ft
LAT: 39°08'00.14" LON: 80°53'07.05"
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.

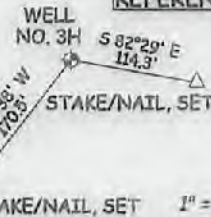
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
N: 4,335,958m E: 508,713m
BOTTOM HOLE INFORMATION:
N: 4,331,593m E: 509,929m



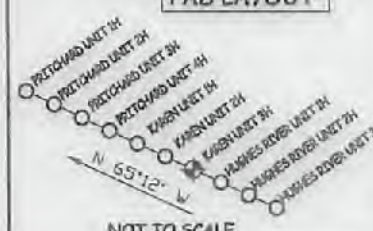
WV NORTH ZONE GRID NORTH



REFERENCES

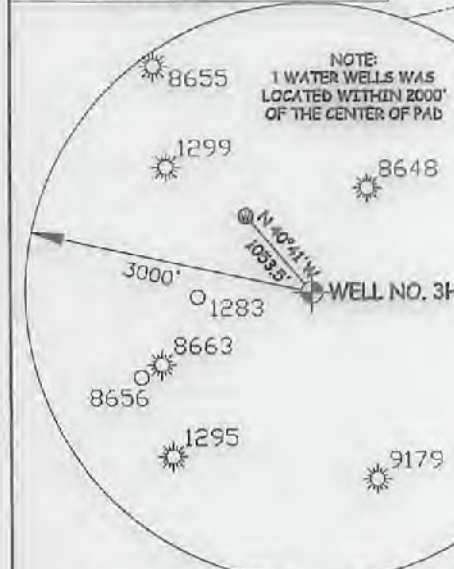


PAD LAYOUT



NOT TO SCALE

NOTE: 1 WATER WELL WAS LOCATED WITHIN 2000' OF THE CENTER OF PAD



NOTE: NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) FEET OR LONGER ADJACENT TO HOUSE OR BUILTUP DAPRY COTTAGE OR FORMERLY HABITABLE AND LOCATED WITHIN EXHIBITED TWENTY-FIVE (25) FEET OF THE CENTER OF THE WELL PAD.

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
N: 14,224,842ft E: 1,668,956ft
POINT OF ENTRY INFORMATION:
N: 14,224,500ft E: 1,668,190ft
BOTTOM HOLE INFORMATION:
N: 14,210,521ft E: 1,672,944ft

JOB # 14-127WA
DRAWING # KARENHR3
SCALE 1" = 200'
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

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

LEGEND
----- Surface Owner Boundary Lines +/-
----- Interior Surface Tracts +/-
--- Existing Fence
⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109
DATE 06/26/18
OPERATOR'S WELL# KAREN UNIT#3H

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X
LOCATION: ELEVATION 945.5' AS BUILT WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE PULLMAN 7.5 DISTRICT UNION COUNTY RITCHIE
SURFACE OWNER LYNWOOD IRELAND ET AL ACREAGE 144.276 ACRES +/-
OIL & GAS ROYALTY OWNER BELLE PRITCHARD; W. P. IRELAND ET UX; LEASE ACREAGE 415 AC±; 222 AC±
JOYCE E. WEBER; EARL E. FLESHER ET AL; EARL E. FLESHER; ELBERT SHEETS HEIRS; 445.87 AC±; 57 AC±; 82 AC±; 70.25 AC±;
YVONNE JOYCE RIGGLEMAN; AI G. KELLEY; DELORES WILSON 35.5 AC±; 100 AC±; 40 AC±;
PROPOSED WORK: DRILL CONVERT DRILL DEEPER X REDRILL FRACTURE OR STIMULATE X
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 22,900' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY NAME PERMIT