

LATITUDE 39°12'30"

6,908'

LATITUDE 39°10'00"

4,602' TO BOTTOM HOLE

LONGITUDE 80°52'30"

11,299' TO BOTTOM HOLE

12,963'

LONGITUDE 80°52'30"

COUNTY NAME PERMIT

Antero Resources Corporation
Well No. Karen Unit 1H

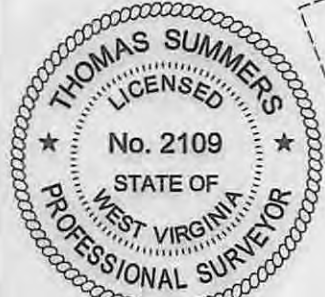
LANDING POINT
N:247402
E:1601642

WELL NO. 1H

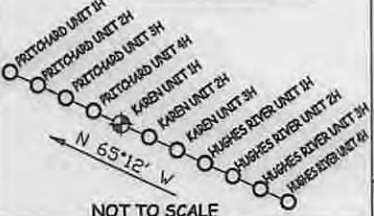
NOTES:
WELL 1H TOP HOLE INFORMATION:
N: 248,117ft E: 1,603,277ft
LAT: 39°10'21.88" LON: 80°53'57.72"
BOTTOM HOLE INFORMATION:
N: 234,571ft E: 1,605,375ft
LAT: 39°08'08.33" LON: 80°53'28.41"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT 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: 4,335,961m E: 508,708m
BOTTOM HOLE INFORMATION:
N: 4,331,845m E: 509,416m

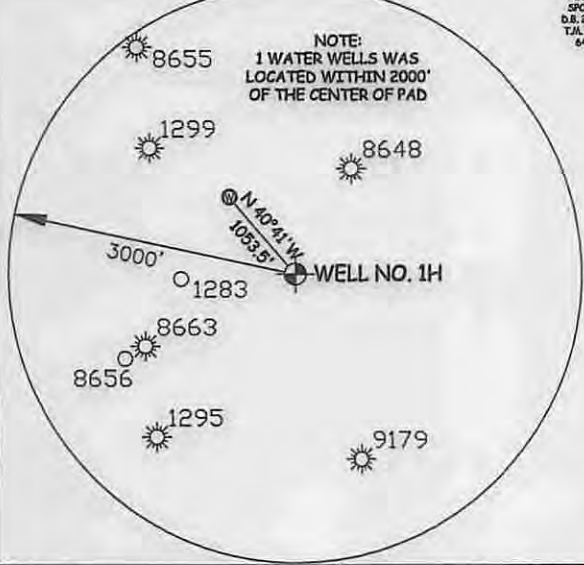
WV NORTH ZONE GRID NORTH



PAD LAYOUT

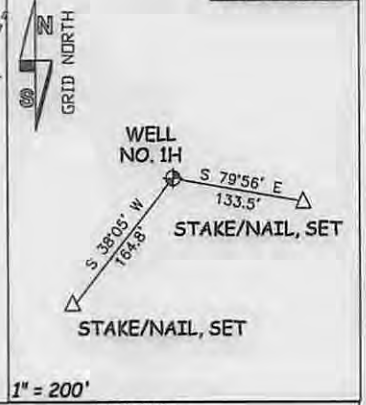


NOT TO SCALE



NOTE:
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.

REFERENCES



1" = 200'

JOB # 14-127WA
DRAWING # KAREN1H
SCALE 1" = 2000'
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 +/-
- x - x - Existing Fence
⊕ Found monument, as noted
THOMAS SUMMERS P.S. 2109
DATE 08/12/15
OPERATOR'S WELL# KAREN UNIT #1H

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ORIGINAL GROUND ELEV. 957' PROPOSED ELEV. 947' WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE PULLMAN 7.5' DISTRICT UNION
SURFACE OWNER LYNWOOD IRELAND ET AL
OIL & GAS ROYALTY OWNER BELLE PRITCHARD; W. P. IRELAND ET UX;
JOYCE E. WEBBER; EARL E. FLESHER ET AL; EARL E. FLESHER;
CAROLYN ERCANBRACK; LEWIS A. ADAMS ET UX; TYGART RESOURCES INC.
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL
(SPECIFY) BHL Permit MOD PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,500' TVD 20,700' 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

API WELL # 47 - 085 - 10215 MOD
STATE COUNTY PERMIT
COUNTY RITCHIE
ACREAGE 144.276 ACRES
LEASE ACREAGE 415 AC±; 222 AC±;
445.67 AC±; 57 AC±; 82 AC±;
64.5 AC±; 26 AC±; 10 AC±
9/18/2015