

LATITUDE 39°22'30"

6,954'

9,697' TO BOTTOM HOLE

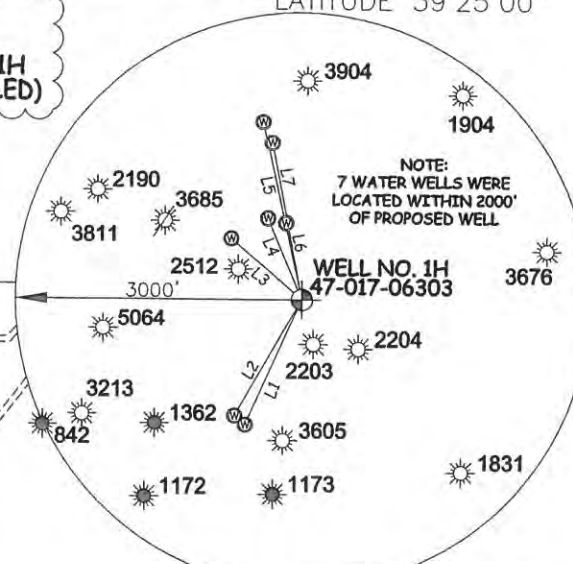
LATITUDE 39°25'00"

LONGITUDE 80°42'30"

LONGITUDE 80°42'30"

LONGITUDE 80°42'30"

Antero Resources Corporation
Well No. Gibson Unit 1H
47-017-06303 (AS DRILLED)

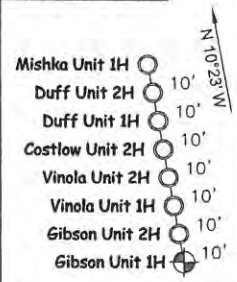


AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 317,683ft E: 1,651,423ft
LAT: 39°21'56.38" LON: 80°43'58.54"
BOTTOM HOLE INFORMATION:
N: 326,624ft E: 1,647,074ft
LAT: 39°23'24.15" LON: 80°44'55.50"
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

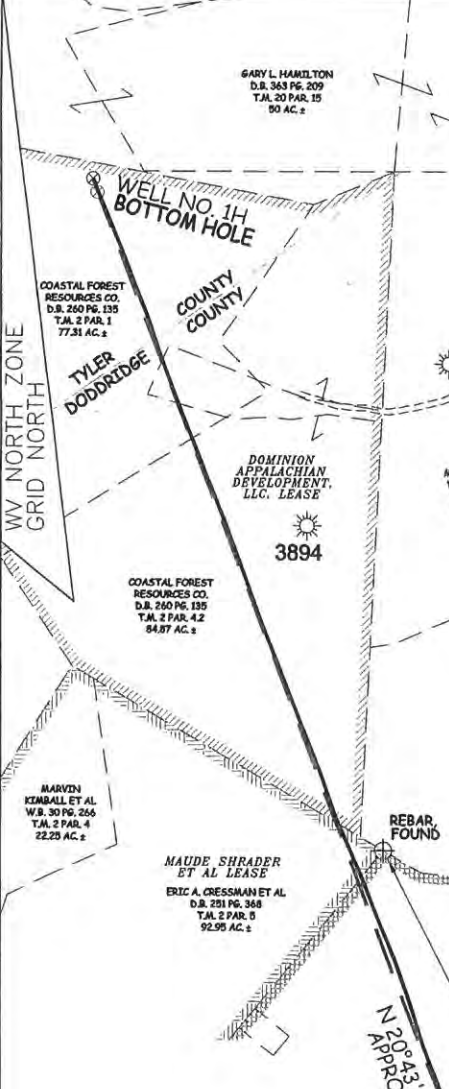
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 4,357,399m E: 523,022m
BOTTOM HOLE INFORMATION:
N: 4,360,101m E: 521,651m

- NOTE
1. ONE OCCUPIED DWELLING AND NO 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.

PAD LAYOUT



NOT TO SCALE



WATER WELL TIES

LINE	BEARING	DISTANCE
L1	S 25°24' W	1,398.0'
L2	S 31°15' W	1,368.5'
L3	N 47°35' W	1,007.0'
L4	N 22°05' W	962.1'
L5	N 12°08' W	1,941.7'
L6	N 11°36' W	859.3'
L7	N 10°33' W	1,710.2'

JOB # 12-138WA
DRAWING # GIBSONHAD
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- Existing Fence
- Found monument, as noted
- Proposed Well Path
- As Drilled Well Path

DATE 08/14/15
OPERATOR'S WELL# GIBSON UNIT #1H



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WILLOW LAND SURVEYING PLLC
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

API WELL # 47 - 017 - 06303

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL

(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,004' ORIGINAL - 998' AS DRILLED WATERSHED MCELROY CREEK

QUADRANGLE SMITHBURG 7.5 (TH) CENTERPOINT 7.5 (BH) DISTRICT GRANT COUNTY DODDRIDGE

SURFACE OWNER ROBERT J. SMITH ACREAGE 100 ACRES +/-

OIL & GAS ROYALTY OWNER VINOLA BOSSALA; DUFF MISHKA; SILAS ASH; KENNETH HAMILTON ET AL; BEULAH CAYTON ET AL; MAUDE SHRADER ET AL; DOMINION APPALACHIAN DEV. LLC.

LEASE ACREAGE 120 ACRES±; 41 ACRES±; 120 ACRES±; 80 ACRES±; 123.5 ACRES±; 114.5 ACRES±; 167.29 ACRES±

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

TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,822' TVD 16,892' 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

RECEIVED
MAR 23 2016
WV GEOLOGICAL SURVEY
MORGANTOWN WV

COUNTY NAME PERMIT