

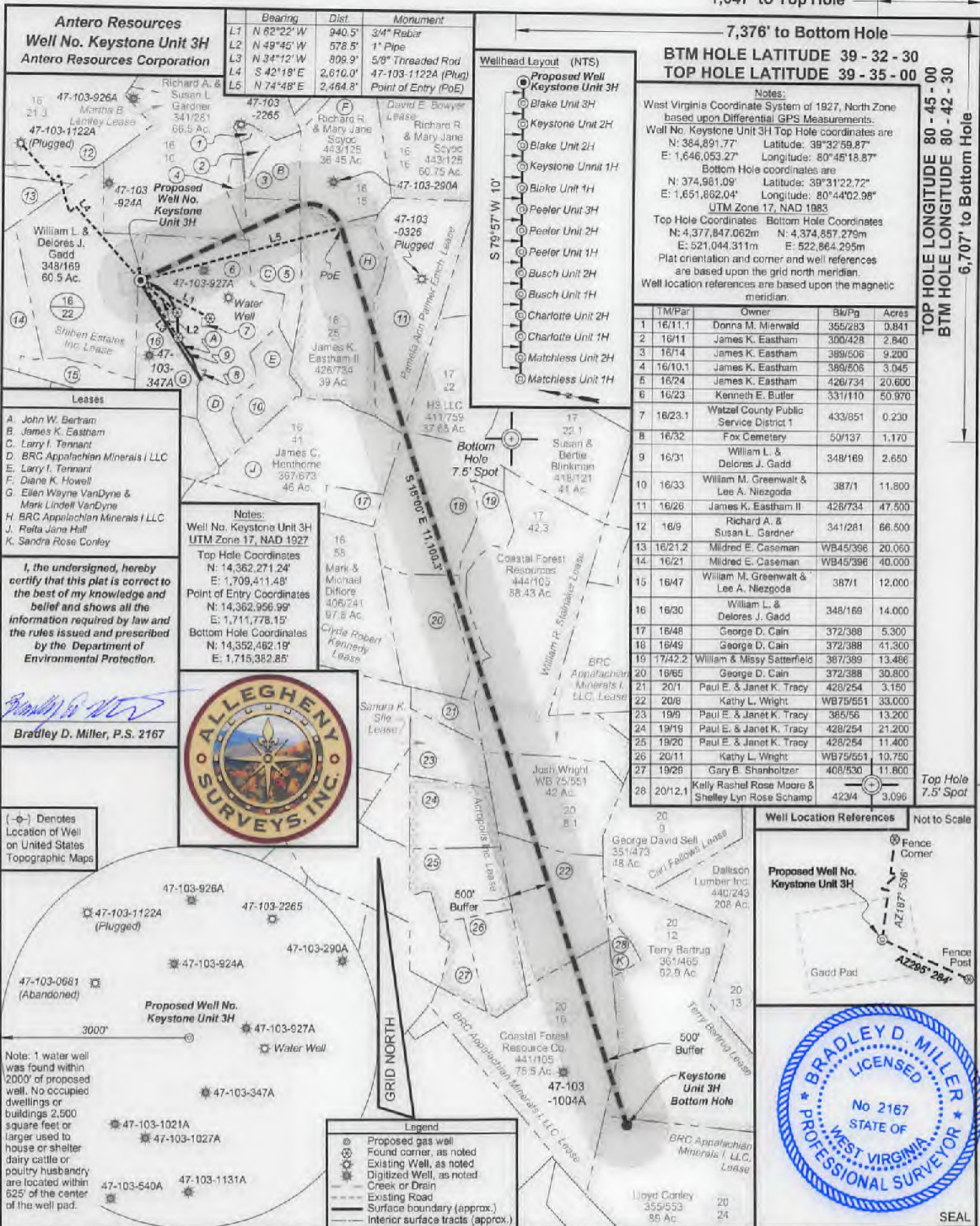
1,647' to Top Hole

7,376' to Bottom Hole

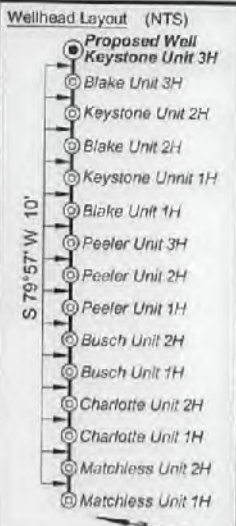
BTM HOLE LATITUDE 39 - 32 - 30
TOP HOLE LATITUDE 39 - 35 - 00

TOP HOLE LONGITUDE 80 - 45 - 00
BTM HOLE LONGITUDE 80 - 42 - 30
6,707' to Bottom Hole

12,132' to Top Hole



	Bearing	Dist.	Monument
L1	N 62°22'W	940.5'	3/4" Rebar
L2	N 49°45'W	578.5'	1" Pipe
L3	N 34°12'W	809.9'	5/8" Threaded Rod
L4	S 42°18'E	2,610.0'	47-103-1122A (Plug)
L5	N 74°48'E	2,464.8'	Point of Entry (PoE)



Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Keystone Unit 3H Top Hole coordinates are:
N: 384,891.77' Latitude: 39°32'59.87"
E: 1,646,053.27' Longitude: 80°45'18.87"
Bottom Hole coordinates are:
N: 374,981.09' Latitude: 39°31'22.72"
E: 1,651,862.04' Longitude: 80°44'02.98"
UTM Zone 17, NAD 1983
Top Hole Coordinates: N: 4,377,847.062m E: 521,044.311m
Bottom Hole Coordinates: N: 4,374,857.279m E: 522,864.295m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

TM/Par	Owner	Blk/Pg	Acres
1 16/11.1	Donna M. Mierwald	355/283	0.841
2 16/11	James K. Eastham	300/428	2.840
3 16/14	James K. Eastham	389/506	9.200
4 16/10.1	James K. Eastham	389/506	3.045
5 16/24	James K. Eastham	426/734	20.600
6 16/23	Kenneth E. Butler	331/110	50.970
7 16/23.1	Wetzel County Public Service District 1	433/651	0.230
8 16/32	Fox Cemetery	50/137	1.170
9 16/31	William L. & Delores J. Gadd	348/169	2.650
10 16/33	William M. Greenwalt & Lee A. Niezgoda	387/1	11.800
11 16/26	James K. Eastham II	426/734	47.500
12 16/9	Richard A. & Susan L. Gardner	341/281	66.500
13 16/21.2	Mildred E. Caseman	WB45/396	20.060
14 16/21	Mildred E. Caseman	WB45/396	40.000
15 16/47	William M. Greenwalt & Lee A. Niezgoda	387/1	12.000
16 16/30	William L. & Delores J. Gadd	348/169	14.000
17 16/48	George D. Cain	372/388	5.300
18 16/49	George D. Cain	372/388	41.300
19 17/42.2	William & Missy Satterfield	387/389	13.466
20 16/65	George D. Cain	372/388	30.800
21 20/1	Paul E. & Janet K. Tracy	426/254	3.150
22 20/8	Kathy L. Wright	WB75/551	33.000
23 19/9	Paul E. & Janet K. Tracy	385/56	13.200
24 19/19	Paul E. & Janet K. Tracy	426/254	21.200
25 19/20	Paul E. & Janet K. Tracy	426/254	11.400
26 20/11	Kathy L. Wright	WB75/551	10.750
27 19/26	Gary B. Shanoltzer	408/530	11.800
28 20/12.1	Kelly Rashel Rose Moore & Shelley Lyn Rose Schamp	423/4	3.096

- Leases
- A. John W. Bertram
 - B. James K. Eastham
 - C. Larry I. Tennant
 - D. BRC Appalachian Minerals I LLC
 - E. Larry I. Tennant
 - F. Diane K. Howell
 - G. Ellen Wayne VanDyne & Mark Lindell VanDyne
 - H. BRC Appalachian Minerals I LLC
 - J. Reita Jane Hall
 - K. Sandra Rose Corley

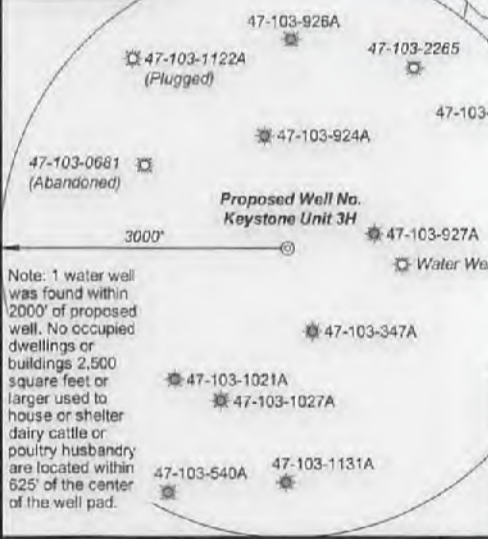
Notes:
Well No. Keystone Unit 3H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,362,271.24'
E: 1,709,411.48'
Point of Entry Coordinates
N: 14,362,956.99'
E: 1,711,778.15'
Bottom Hole Coordinates
N: 14,352,462.19'
E: 1,715,362.85'

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 prescribed by the Department of Environmental Protection.

Bradley D. Miller, P.S. 2167



(-o-) Denotes Location of Well on United States Topographic Maps

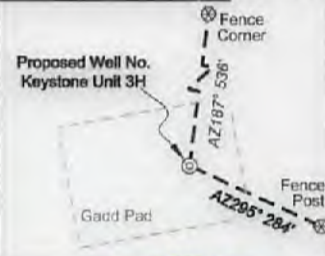


Note: 1 water well was found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.

Legend

- Proposed gas well
- Found corner, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Existing Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)

Well Location References Not to Scale



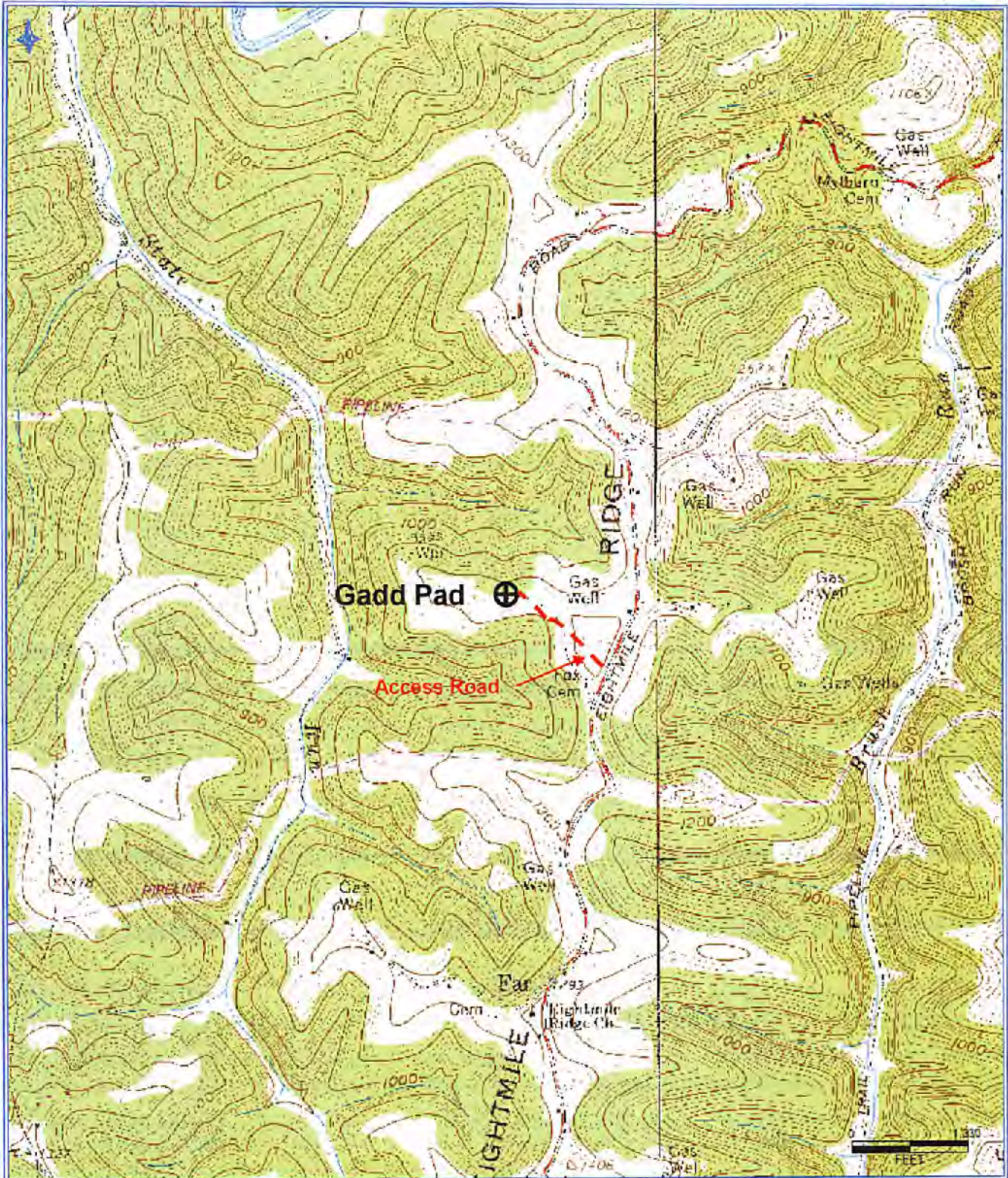
FILE NO: 135-34-G-17
DRAWING NO: Keystone 3H Well Plat
SCALE: 1" = 1500'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: April 11 2018
OPERATOR'S WELL NO. Keystone Unit 3H
API WELL NO
47 - 103 - 03222
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: Existing 1260' WATERSHED: Fishing Creek QUADRANGLE: Pine Grove (BH) 537.11875; Porter Falls (TH) 92.904;
DISTRICT: Green William L. & Larry I. Tennant; Diane K. Howell; Terry Bartrug; COUNTY: Wetzel 88.2318
SURFACE OWNER: Delores J. Gadd Martha B. Lemley; Reita Jane Hall; ACREAGE: 2.65 51.25; 2.65; 60; 75.5; 47.5;
ROYALTY OWNER: BRC Appalachian Minerals I, LLC (5); John W. Bertram; LEASE NO: ACREAGE: 100; 38.78333
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7.250' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,100' 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



Antero Resources Corporation
 Appalachian Basin
 Keystone Unit 3H
 Wetzel County

Quadrangle: Porter Falls
 Watershed: Fishing Creek
 District: Green
 Date: 1-11-2018

RECEIVED
 Office of Oil and Gas
 JAN 18 2018
 WV Department of
 Environmental Protection