

Antero Resources
Well No. Pup Unit 1H
Antero Resources Corporation



Note: It appears 6 water wells and 2 springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used for house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Pup Unit 1H Top Hole coordinates are
N: 260,895.97' Latitude: 39°12'37.53"
E: 1,669,550.91' Longitude: 80°39'58.36"
Bottom Hole coordinates are
N: 271,732.71' Latitude: 39°14'24.27"
E: 1,666,772.12' Longitude: 80°40'35.46"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,340,190.828m N: 4,343,478.097m
E: 528,832.975m E: 527,931.337m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

- Legend**
- ⊙ Proposed gas well
 - ⊕ Found corner, as noted
 - - - Creek or Drain
 - - - Existing Road
 - - - Surface boundary (approx.)
 - - - Surface tracts (approx.)
 - ⊙ Well (Active)
 - ⊙ Well (Plugged)

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
Bradley D. Miller, P.S. 2167

FILE NO: 86-30-NM-13
DRAWING NO: 86-13 Pup Unit 1H Well
SCALE: 1" = 1200'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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

DATE: July 10 20 14
Operator's Well No. Pup Unit 1H
API WELL NO H6A
47 - 017 - 06557
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 976' WATERSHED: Meathouse Fork QUADRANGLE: New Milton
DISTRICT: New Milton Wilma J. Dillon, et al; COUNTY: Doddridge 46;
SURFACE OWNER: Leona Swisher Robert & Lucy Nicholson; James D. Rogers, et al; W. H. H. Douglas, et ux; Leona W. Swisher, et al; 51; 36;
ROYALTY OWNER: Mary Maxine Welch, et al; Marlin Guy Kelley; Aleta B. Chapman; Shirley Devericks, et al LEASE NO: 20215 ACREAGE: 56.99; 218; 100;
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ 7,200' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,700' 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

09/26/2014

11,857' to Top Hole

2,837' to Bottom Hole

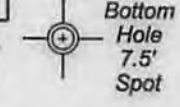
LATITUDE 39 - 15 - 00

BOTTOM HOLE LONGITUDE 80 - 40 - 00
TOP HOLE LONGITUDE 80 - 37 - 30
3,578' to Bottom Hole



Line	Bearing	Dist.
L1	S 14°55' W	1015.7'
L2	S 12°47' E	515.0'
L3	N 51°48' E	534.4'
L4	N 69°07' E	473.8'

Note "A"
Tangent Point
N: 261,226.50'
E: 1,669,970.82'

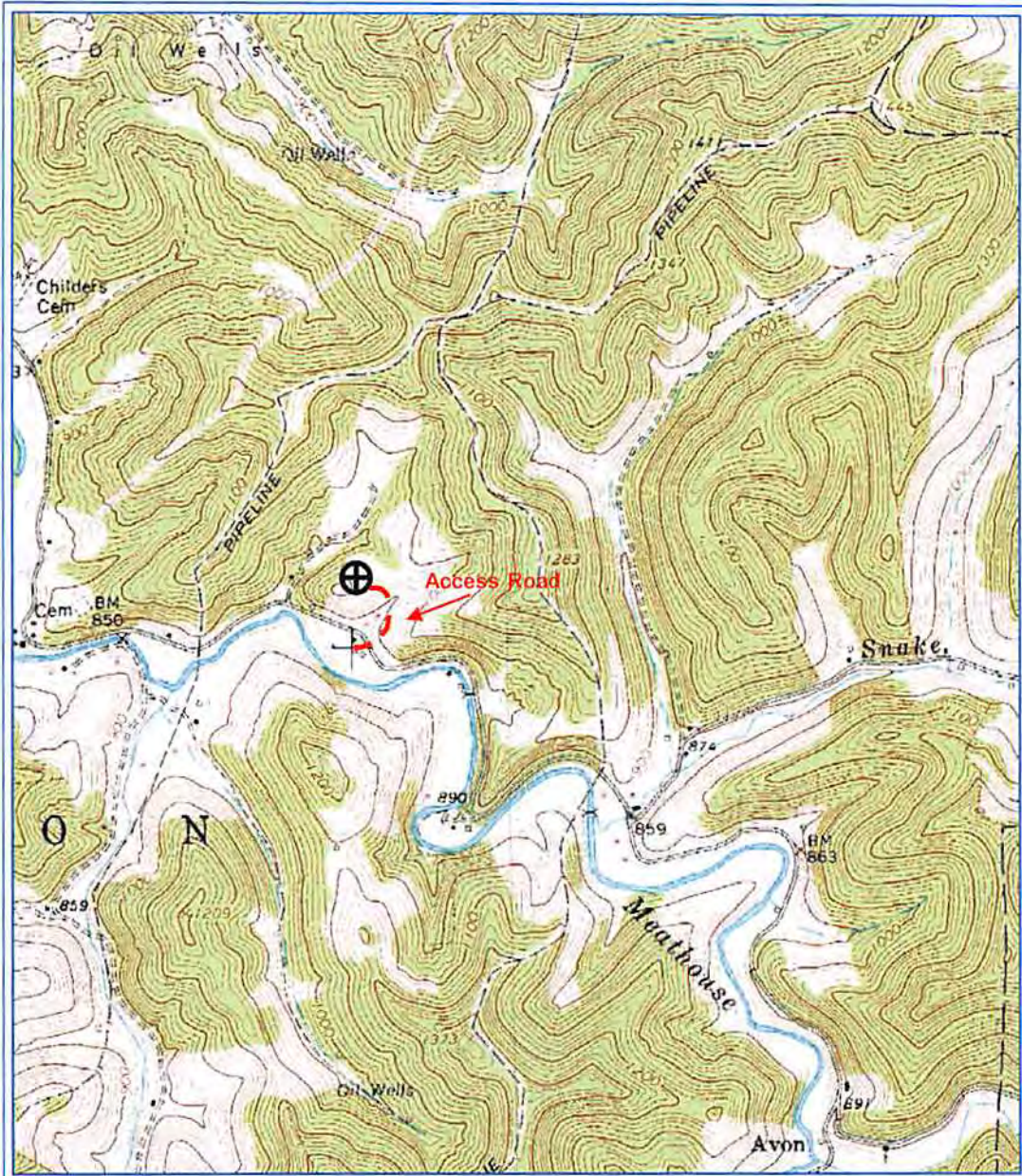


(+) Denotes Location of Well on Topographical Maps United States

Par.	TM 8 Surface Owner	Bk/Pg	Acres
1	49 Terry Gale Boyce	200/30	4.00
2	47 Euna Gay Engstrom	WB 38/36	3.00
3	48 Ramona Boyce	WB 26/62	2.00
4	34 Robert L. & Norma Jean Martin	147/193	25.00
5	32 Roger A. McClain II & Stacy L. McClain	288/303	15.18
6	10 Roger A. McClain II & Stacy L. McClain	288/303	28.58
7	33 Marlin G. Kelly, et al	294/665	36.75
TM 13 Surface Owner			
8	8 Darrell W. & Barbara Devericks	229/260	17.84
9	35 Christopher R. Kelley & Brandi M. Trent	242/688	1.03
10	9 Leona Swisher	WB 33/535	56.99
11	2 Dennis R. Cottrill	293/508	40.25



14,264' to Top Hole



PETRA 3/19/2013 1:04:00 PM

Antero Resources

Appalachian Basin

Pup Unit 1H

Doddridge County

Ratio Scale = 1 : 24,000



REMARKS

Quadrangle: New Milton
 Watershed: Meathouse Fork
 District: New Milton

By: TRO

RECEIVED
 Office of Oil and Gas
 JUL 16 2014
 WV Department of
 Environmental Protection