

Antero Resources
Well No. Phaeton 2H
 BHL MOD
 Antero Resources Corporation



Page 1 of 2

11,592' to Top Hole

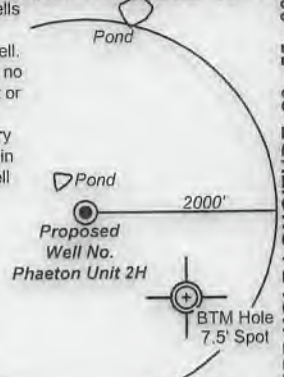
2,000' to Bottom Hole

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

TOP HOLE LONGITUDE 80 - 55 - 00
 BTM HOLE LONGITUDE 80 - 57 - 30

2,196' to Top Hole

Note: It appears 0 water wells and 3 ponds were found within 2000' of proposed well. No occupied dwellings and no 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
- Monument, as noted
- Existing Well, as noted
- Creek or Drain
- Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)
- District Line

	Bearing	Dist.
L1	S 18°34' W	959.1'
L2	N 67°12' E	1,419.0'
L3	N 56°51' E	745.1'
L4	N 23°46' E	818.6'
L5	N 25°49' E	3,367.8'

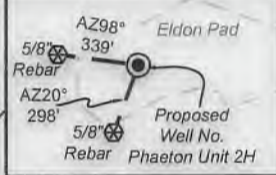
Notes

West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Phaeton Unit 2H Top Hole coordinates are
 N: 365,176.41' Latitude: 39°29'36.46"
 E: 1,588,659.90' Longitude: 80°57'27.41"
 Bottom Hole coordinates are
 N: 378,616.50' Latitude: 39°31'48.98"
 E: 1,586,742.14' Longitude: 80°57'54.66"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,371,548.271m N: 4,375,633.106m
 E: 503,659.267m E: 503,006.735m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

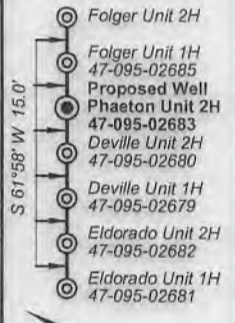
Notes:

Well No. Phaeton Unit 2H UTM Zone 17, NAD 1927
 Top Hole Coordinates
 N: 14,341,607.61'
 E: 1,652,374.63'
 Point of Entry Coordinates
 N: 14,344,662.47'
 E: 1,653,789.54'
 Bottom Hole Coordinates
 N: 14,355,009.22'
 E: 1,650,233.49'

Well Location References (NTS)



Wellhead Layout (NTS)



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: 294-54-U-18
 DRAWING NO: Phaeton 2H Well Plat
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

DATE: March 2 20 20
 OPERATOR'S WELL NO. Phaeton Unit 2H
 API WELL NO
 47 - 095 - 02683
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 Proposed Elev. 880'
 LOCATION: ELEVATION: Existing Elev. 882' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Middlebourne Paden City
 DISTRICT: Ellsworth/Lincoln COUNTY: Tyler
 SURFACE OWNER: Eldon J. & Ruth A. Helman Doris Ellen Haught; Ridgetop Capital, LP; Debra Lynn Warner Gerald C. Clutter, et ux; William P. Ingram; Larry Folger, et ux; ACREAGE: 61.83
 CHAUNCEY PAUL ARCHER, et ux; DONNA JEAN ICE; DONNA SMITH; 140.0; 205.862;
 ROYALTY OWNER: Eldon J. & Ruth A. Helman; Ruth H. Wells; WV Division of Natural Resources; LEASE NO: ACREAGE: 181.99625;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) BHL MOD 6,500' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,300' 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



ID	TM/Par	Owner	Bk/Pg	Acres
1	19-1	Eldon J. & Ruth A. Helman	383/761	61.83
2	6-1.1	Eldon J. & Ruth A. Helman	383/761	21.0
3	13-10	Eldon J. & Ruth A. Helman	383/761	96.82
4	13-9	Chauncy P. & Ruth M. Archer	190/9	58.38
5	15-17.1	Lisa D. Beaver	327/758	6.35
6	15-17	Earl & Donna Smith	191/12	127.39
7	15-16.1	Richard G. Thomas	339/706	1.00
8	15-15.1	Bruce B. Seckman	348/100	0.99
9	15-15	Jack B. & Bennie H. Kile, Jr.	155/195	39.64
10	15-18	B.F. Kile	174/412	70.00
11	15-15.2	Ridgetop Capital, LP	375/206	17.54
12	15-16	Everett Glen Thomas	W30/1	81.67
13	15-13	B.F., Ben H. & Ida M. Kile	174/412	140.00
14	15-8	Ridgetop Capital LP	375/206	68.20
15	15-10	Doris E. Haught	364/544	55.09
16	15-7.1	John Preston Litten	391/769	56.00
17	15-7	Ivan W. & Karen L. Makely	281/498	35.10
18	15-9	Ridgetop Capital, LP	375/206	120.00
19	15-4	Ivan W. & Karen L. Makely	337/639	41.29
20	15-4.1	Neal W. & Daniel L. Makely	293/387	12.00
21	15-2	Stephen E. Surface, et al	365/302	54.00
22	12-58	John W. & Leah D. Starkey	373/699	19.25
23	12-59	Gerald C. & Mary Lou Clutter	286/350	11.00
24	12-60	Gerald C. & Mary Lou Clutter	286/350	17.50
25	12-57	Gerald C. & Mary Lou Clutter	247/307	3.78
26	12-56	Gerald C. & Mary Lou Clutter	247/307	17.88
27	12-50	William P. Ingram	605/159	88.00
28	12-51	Rickie Lee Littleton	281/193	61.23
29	12-27	William P. & Jo Anne Ingram	156/175	183.16
30	12-45	Timothy B. & Paula S. Ingram	322/828	56.35
31	12-48	William Michael & Mary Ann Wells	314/416	34.62
32	12-44	William P. Ingram	455/477	62.50
33	12-45.1	Timothy S. Ingram	326/353	1.98

Leases	
A	Eldon J. & Ruth A. Helman
B	Chauncey Paul Archer, et ux
C	Ruth H. Wells
D	Norma R Spencer, Trustee of the Allan P. Spencer Living Trust
E	WV Division of Natural Resources
F	Lisa D. Beaver
G	Donna Smith
H	Richard G. Thomas
I	Donna Jean Ice
J	Norma Jean Elder Eaton
K	Doris Ellen Haught
L	Ridgetop Capital LP
M	John W. Starkey, et ux
N	Gerald C. Clutter, et ux
O	Larry Folger, et ux
P	William P. Ingram, et ux
Q	William Michael Wells, et ux
R	Timothy B. Ingram
S	William P. Ingram
T	Timothy B. Ingram
U	Liva Tucker
V	Debra Lynn Warner

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 Gerald C. Clutter, et ux; William P. Ingram; Larry Folger, et ux; 127.39; 71.93152;
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