

9,910' to Top Hole  
11,698' to Bottom Hole  
LATITUDE 39 - 15 - 00  
LONGITUDE 80 - 32 - 30

**Antero Resources Well No. Bernice Unit 2H**  
Antero Resources Corporation

**Legend**

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

TM/Par.	Owner	DB/Pg	Acres
1 8/7	Luther & Helen Williamson	257/96	21.38
2 8/8.2	Jon & Kimberly Holston	313/456	0.34
3 8/11.1	Raymond C. Dyson	330/701	43.35
4 8/9	Jonell L. Ferda	265/418	21.7
5 8/2	Mikasa T. Ash	263/294	4.88
6 8/8.1	Barbara E. Hart	215/537	0.50
7 8/8	Barbara E. Hart	215/537	18.03
8 8/8.4	Rick L. Hart	234/50	2.64
9 5/8.1	Pamela Jean & Phillip M. Speece, Jr./Dusty E. Gray	293/404	3.99
10 8/18.4	Debra K. Underwood	225/54	8.87
11 8/19.2	Penny Freeman Jones	186/541	33.39
12 8/18.7	James & Andrea Richards	305/483	5.82
13 8/18.5	Debra K. Swan	233/214	0.21
14 8/10.2	Butterfly Evolution Trust	250/468	27.80
15 8/6	Jason C. Ridenour	244/613	36.61
16 8/18	David M. Swann	260/586	16.09
17 5/10	Larry Blain/Mary Jo Carder	282/24	21.71
18 8/18.2	Jennifer J. Henline	270/690	0.97
19 8/18.6	William W./Misty Childers	357/621	30.22
20 8/29	John K. Davis	177/722	9.25
21 8/18.1	Nelson T./Kimberly McClain	233/554	4.94
22 8/19.1	Jennifer J. Henline	270/690	1.16
23 5/9	Robert Clark	281/26	21.89
24 8/19	John & Sara Pumphrey	200/216	20.83
25 5/19	Arby Morrison Jr.	260/403	2.22
26 5/18	Arby Morrison Jr.	260/405	0.36
27 5/15	Russell W. Reed	260/483	3.93
28 8/1	John & Betty Prusakowski	248/696	45.30
29 5/8	Francis M. Backus	WB52/297	20.0
30 8/32.1	John K. Davis	177/714	50.17
31 8/11.2-3	Lewis J. & Helen Swann	202/605	1.97
32 8/11.4-5	Allen & Wanda Patterson	182/189	1.61

**Lease Table**

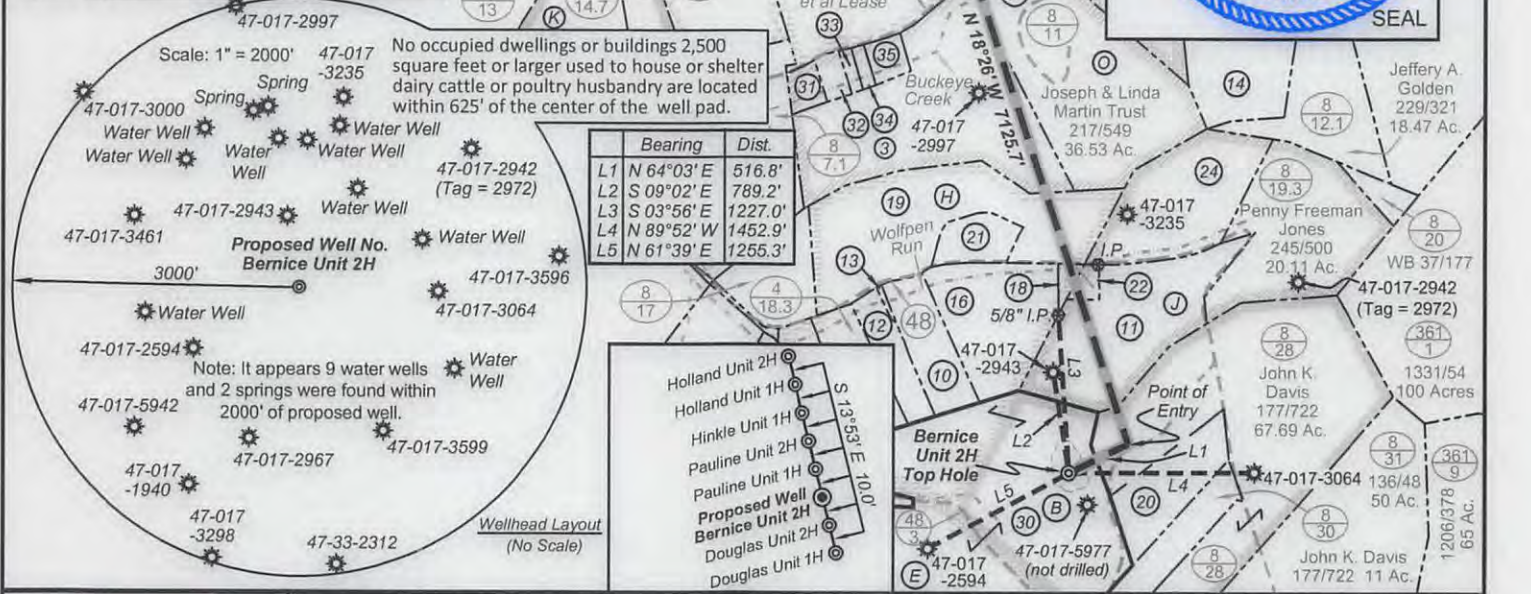
Denotes Location of Well on United States Topographic Maps

A	Richard and Rosalie Clark Lease
B	Joseph E. Richards Lease
C	Cleo Mae Maxson Lease
D	Charles W. Wellings Jr., et ux Lease 21312
E	Gladys & Raymond Yerkey Lease 21675
F	Clarence W. Evans, et ux Lease DAD36728
G	Wilbur Aldine Stutler, et al Lease 21622
H	Franklin Maxwell Heirs, et ux Lease DAD41038/001
I	Ora Virginia White Lease DAD61820/002
J	Argil Freeman, et ux Lease DAD40725
K	Isaac Eddy, et ux L012454, James Romine DV011162
L	Charles W. Wellings Jr. & Barbara L. Wellings Lease
M	Gerald Maxson, et ux Lease
N	Hazel C. Varner, et al Lease 21665
O	John E. Mason Estate Lease

**Notes:**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Bernice Unit 2H Top Hole coordinates are  
N: 265,619.16' Latitude: 39°13'27.36"  
E: 1,695,096.39' Longitude: 80°34'34.55"  
Bottom Hole coordinates are  
N: 272,605.32' Latitude: 39°14'36.20"  
E: 1,693,307.97' Longitude: 80°34'58.35"  
**UTM Zone 17, NAD 1983**  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,341,759.611m N: 4,343,878.864m  
E: 536,591.510m E: 536,011.172m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

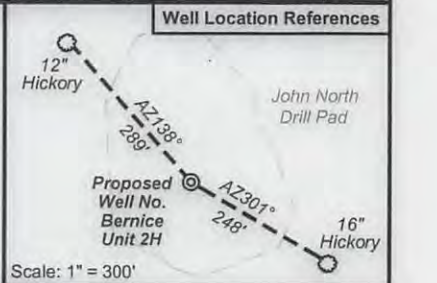
**Notes:**  
Well No. Bernice Unit 2H UTM Zone 17, NAD 1927  
Top Hole Coordinates  
N: 14,244,107.081'  
E: 1,760,419.434'  
Point of Entry Coordinates  
N: 14,244,107.081'  
E: 1,760,880.164'  
Bottom Hole Coordinates  
N: 14,250,826.355'  
E: 1,758,515.554'

TM/Par.	Owner	DB/Pg.	Acres
33 8/11.6	Roger L. & Sharon S. Bell	169/680	0.78
34 8/11.7	Roger Bell & Pete Amodio	175/24	0.76
35 8/11.8-9-10	Barbara Ann Amodio	AB41/567	2.18
36 8/5	John & Betty Prusakowski	248/706	14.17
37 4/13	Clifford D. & Polly Wilfong	218/1	24.54
38 8/2.2	Donald & Charlotte Henrey	294/83	5.55
39 8/8.3	Stephanie D. Moore	277/244	0.49



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: 234-30-G-12  
DRAWING NO: Bernice 2H Well Plat 12-16  
SCALE: 1" = 1500'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: WV DOT, Bridgeport, WV

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

DATE: December 15 2016  
OPERATOR'S WELL NO. Bernice Unit 2H  
API WELL NO. H6A  
47 - 017 - 06800  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: Existing 1241' Proposed 1244' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: Big Isaac  
DISTRICT: Greenbrier COUNTY: Doddridge  
SURFACE OWNER: John K. Davis Argil Freeman, et ux; Arden V. Strother; Clarence W. Evans, et ux; DAD40725; DAD36728; Richard and Rosalie Clark; Joseph E. Richards; DAD41038/001; 21224 ACREAGE: 94.747 23; 76; 127;  
ROYALTY OWNER: Franklin Maxwell Heirs, et ux; John E. Mason Estate LEASE NO: DAD41038/001; 21224 ACREAGE: 125; 95; 89; 24  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ 7,500' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,200' 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