

**Antero Resources Well  
No. Hennessy Unit 1H  
As-Drilled**  
Antero Resources Corporation

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

3,448' to Bottom Hole

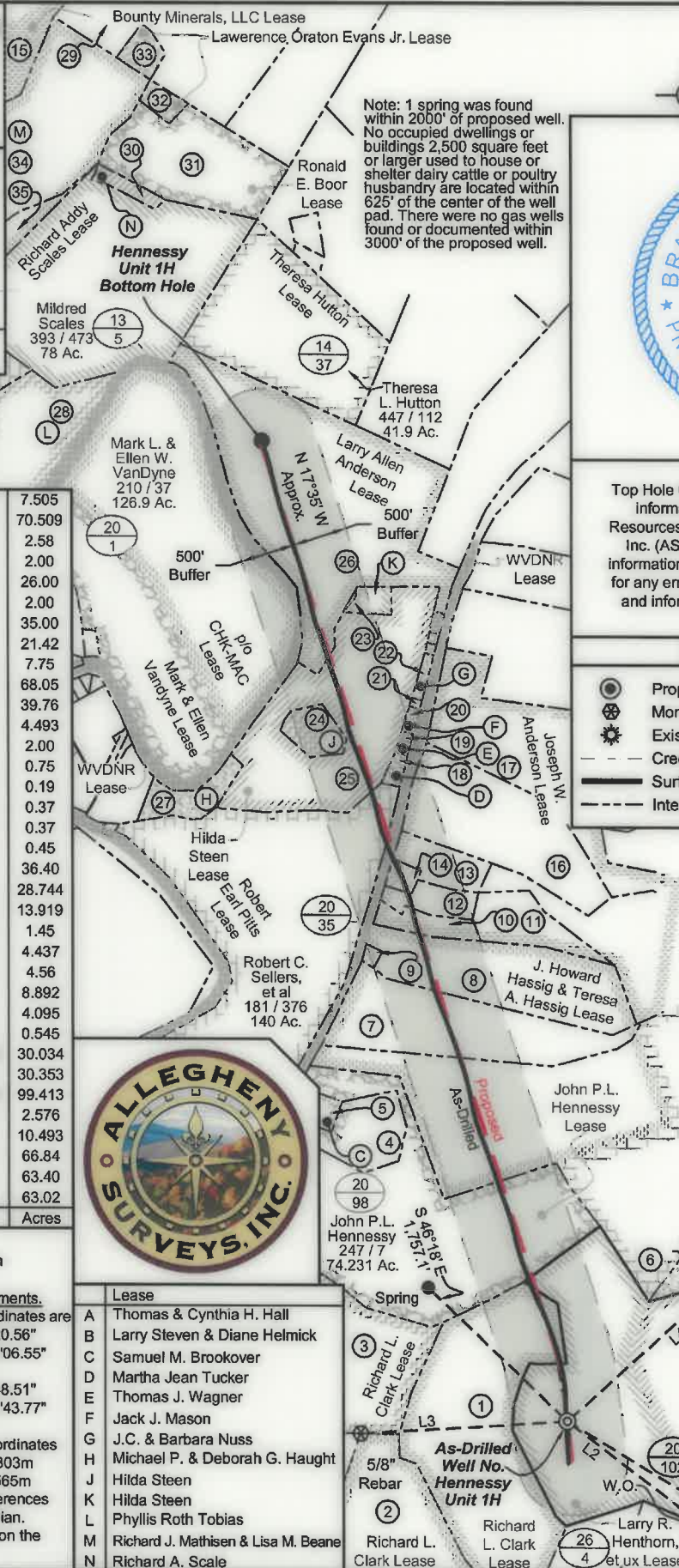
672' to Top Hole  
LATITUDE 39 - 30 - 00

Bottom Hole  
7.5' Spot

LONGITUDE 80 - 55 - 00

10,051' to Top Hole

1,108' to Bottom Hole



Note: 1 spring 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. There were no gas wells found or documented within 3000' of the proposed well.



SEAL

Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

**Legend**

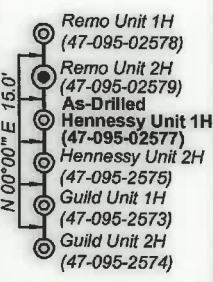
- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Creek or Drain
- Surface boundary (approx.)
- Interior surface tracts (approx.)

Top Hole  
7.5'  
Spot

35	13/3.4	Carpenter	415/733	7.505
34	13/3.3	Mathisen	349/563	70.509
33	14/12	Evans	491/331	2.58
32	14/28	Evans	491/331	2.00
31	14/29	Boor Family Trust	478/280	26.00
30	13/5.1	Scales	342/553	2.00
29	13/2	Evans	113/6	35.00
28	13/6	Ball	387/671	21.42
27	20/34	Haught	344/268	7.75
26	20/2	Anderson	282/506	68.05
25	20/12	Steen	264/127	39.76
24	20/12.4	Keller	282/435	4.493
23	20/12.5	Haught	343/731	2.00
22	20/12.1	Nuss	411/206	0.75
21	20/12.3	Nuss	366/467	0.19
20	20/15	Mason	388/834	0.37
19	20/36.1	Wagner	329/366	0.37
18	20/36	Tucker	8/210	0.45
17	20/39	Rymer	219/287	36.40
16	20/38	Rymer	219/287	28.744
15	13/3.1	Owens	350/388	13.919
14	20/37.1	Moore	360/656	1.45
13	20/37.4	Thacker, et al	395/843	4.437
12	20/37.2	Wolf	362/386	4.56
11	20/37	Thacker, et al	443/643	8.892
10	20/37.3	Wolf	384/321	4.095
9	20/83.2	Helmick	311/390	0.545
8	20/83.6	Hall	WB40/335	30.034
7	20/83.7	Helmick	400/592	30.353
6	20/83	Helmick	WB40/335	99.413
5	20/98.1	Brookover	353/386	2.576
4	20/98.2	Price	417/303	10.493
3	20/97	Moore	314/699	66.84
2	26/2	Moore	314/701	63.40
1	26/3	Moore, et al	448/216	63.02
ID	TM/Par	Owner	Bk/Pg	Acres



**Wellhead Layout (NTS)**



Bearing	Dist.
L1 N 58°36' W	2,652.4'
L2 N 52°19' W	1,571.5'
L3 N 86°29' E	1,892.2'
L4 S 47°45' W	2,924.1'

**Notes:**  
West Virginia Coordinate System of 1927, North Zone  
based upon Differential GPS Measurements.  
Well No. Hennessy Unit 1H Top Hole coordinates are  
N: 357,321.60' Latitude: 39°28'20.56"  
E: 1,599,579.60' Longitude: 80°55'06.55"  
Bottom Hole coordinates are  
N: 366,264.68' Latitude: 39°29'48.51"  
E: 1,596,803.05' Longitude: 80°55'43.77"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,369,210.903m N: 4,371,921.303m  
E: 507,025.937m E: 506,134.565m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

Lease
A Thomas & Cynthia H. Hall
B Larry Steven & Diane Helmick
C Samuel M. Brookover
D Martha Jean Tucker
E Thomas J. Wagner
F Jack J. Mason
G J.C. & Barbara Nuss
H Michael P. & Deborah G. Haught
I Hilda Steen
K Hilda Steen
L Phyllis Roth Tobias
M Richard J. Mathisen & Lisa M. Beane
N Richard A. Scale

FILE NO: 16-54-E-17  
DRAWING NO: Hennessy 1H As-Drilled  
SCALE: 1" = 1500'  
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: May 8 20 20  
OPERATOR'S WELL NO. Hennessy Unit 1H  
API WELL NO  
47 - 095 - 02577  
STATE COUNTY PERMIT

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW

LOCATION: ELEVATION: As-Built 757.5' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City-BHL  
DISTRICT: Ellsworth COUNTY: Tyler 68.05;  
SURFACE OWNER: Antero Midstream, LLC Larry Allen Anderson; Robert Earl Pitts; Larry R. Henthorn, et ux; John P.L. Hennessy; J. Howard Hassig & Teresa A. Hassig; Joseph W. Anderson; 15.9;39.757;  
ROYALTY OWNER: West Virginia Division of Natural Resources; Richard L. Clark; Hilda Steen LEASE NO: 61.71875; 140;  
ACREAGE: 203.59 84.724; 63.02;  
ACREAGE: 109.14; 99.413  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,060' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 15,565' MD

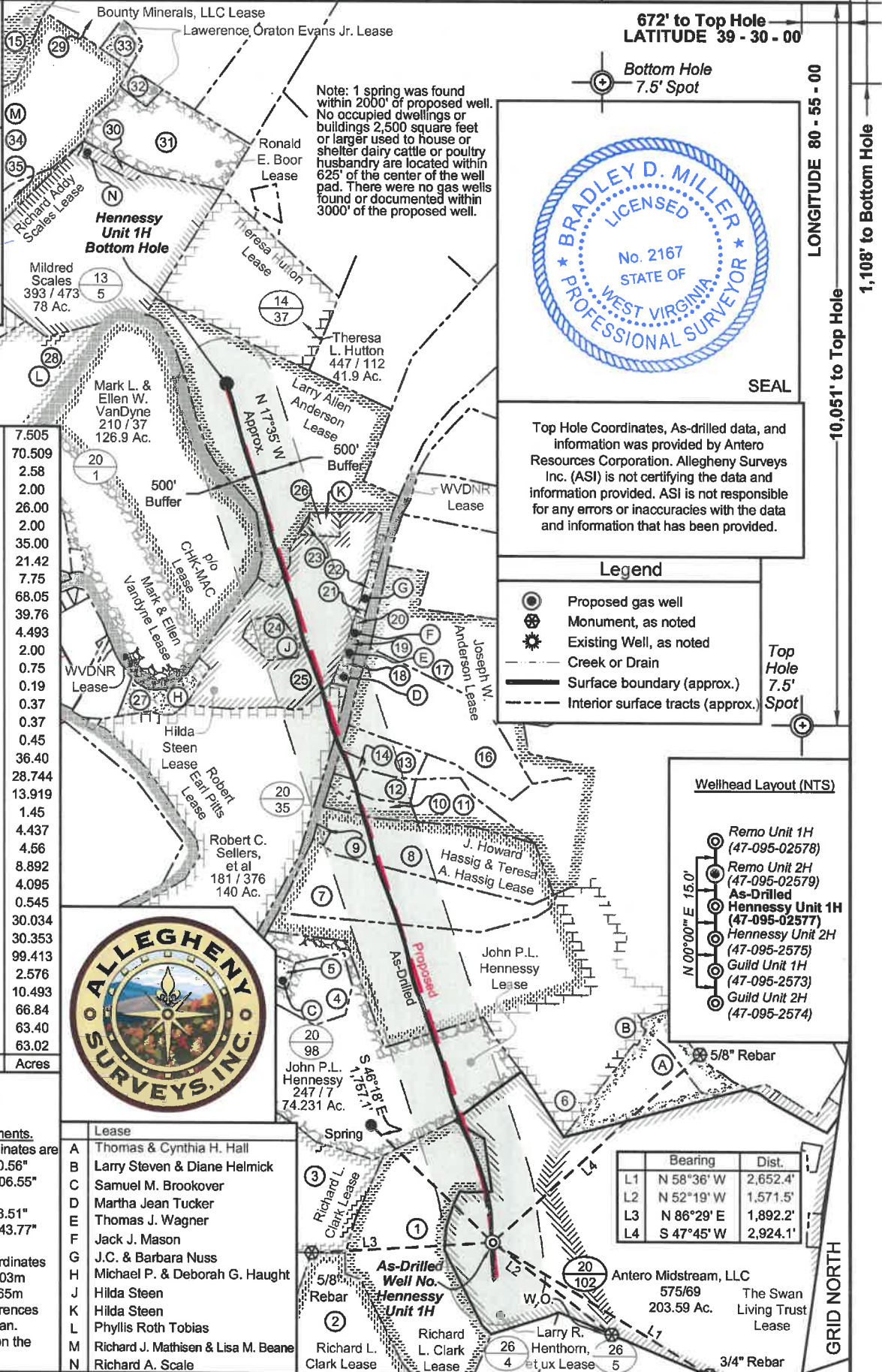
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System  
ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road  
Denver, CO 80202 Charleston, WV 25313



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