

**Antero Resources  
Well No. Lanham Unit 1H  
Antero Resources  
Appalachian Corporation**

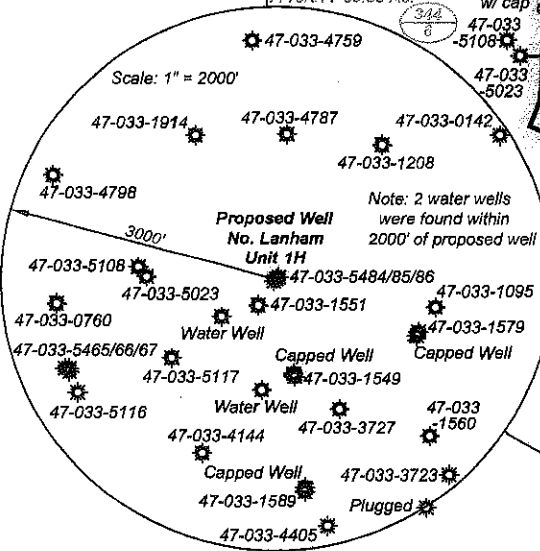
6,673' to Top Hole  
BTM HOLE LATITUDE 39 - 15 - 00  
TOP HOLE LATITUDE 39 - 17 - 30

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 regulations issued and prescribed by the Department of Environmental Protection.

Kenneth J. Plum, P.S. 2216

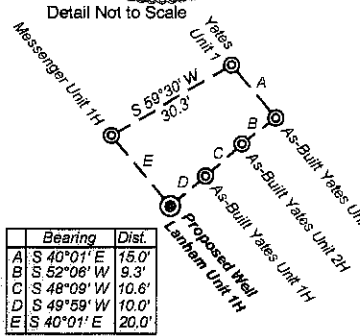
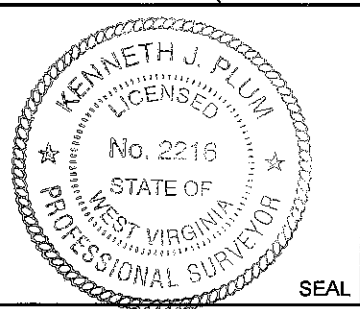
**Legend**

- ⊙ Proposed Gas Well
- ⊗ Found corner, as noted
- County Route
- Creek or Drain
- Existing Road
- Existing Fence/line
- Lease boundary (approx.)
- Surface boundary (approx.)
- Interior surface tracts (approx.)



Line	Bearing	Distance
L1	S 63°53' E	1023.9'
L2	S 75°10' E	1310.2'
L3	S 88°55' E	1416.3'
L4	N 34°10' E	344.8'
L5	S 83°55' E	664.2'

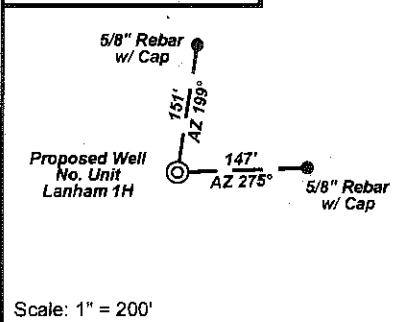
Par	Tax Map	Owner	Bk/Pg	Acres
1	33.1	Zola Wine	1341/472	4.16
2	31	Frank Gallo	1335/663	11.46
3	25	Frank Gallo	1461/859	24.0
4	9.3	Tammy E. Owens	1439/288	2.02
5	28	Chad & Carrie McIntyre	1453/1078	1.22
6	27	Chad & Carrie McIntyre	1453/1078	2.7
7	44.3	Wilson & Esther Messenger	1258/835	5.25
8	44.4	Russel & Kristina Messenger	1258/149	1.0
9	46	A.J. Lanham	98/168	1.56
10	8.4	Carol Flanagan Morlock	1284/669	1.62
11	9.5	Rea Lou Flanagan Kovar	1296/282	2.31
12	33	Bruce Edward Wilcox	1426/604	4.16
13	30	John & Marsha Adams	1064/65	1.80
14	8.6	John Andrew Morlock II	1295/1089	5.27
15	8.3	John Anderson Flanagan	1284/666	13.46
16	8.5	Brian & Anita Morlock	1323/1270	5.21
17	9	T. Davis & T. Owens	1405/401	3.03
18	22	James & Janet Robinson	1055/438	21.37
19	24.1	Chas. & Linda Cheuvront	1037/843	10.18
20	32	Brian & Lola Wilcox	1426/604	7.37
21	47	M.E. Church Trustees	240/347	0.34
22	29.1	Roger & Karen Davis	1088/210	0.84
23	51	Brenda & Edward Jones	1399/966	1.41



**Notes:**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Lanham Unit 1H Top Hole coordinates are  
N: 274,995.21 Latitude: 39°15'04.33"  
E: 1,733,885.72 Longitude: 80°26'22.92"  
Bottom Hole coordinates are  
N: 265,654.44 Latitude: 39°13'32.37"  
E: 1,737,396.06 Longitude: 80°25'37.08"  
**UTM Zone 17, NAD 1983**  
Top Hole Coordinates: Bottom Hole Coordinates:  
N: 4,344,813.083m N: 4,341,985.182m  
E: 548,361.323m E: 549,478.180m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

(⊙) Denotes location of well on United States topographic maps

**Well Location References**



Lease Table	
Oil & Gas Royalty Owner	
A	Neil W. & Esther M. Messenger
B	Russel F. & Kristina G. Messenger

FILE NO: **22-36-U-12**  
DRAWING NO: **22-12\_Lanham Unit 1H**  
SCALE: **1" = 1200'**  
MINIMUM DEGREE OF ACCURACY: **Submeter**  
PROVEN SOURCE OF ELEVATION: **WVDOT, Bridgeport, WV**

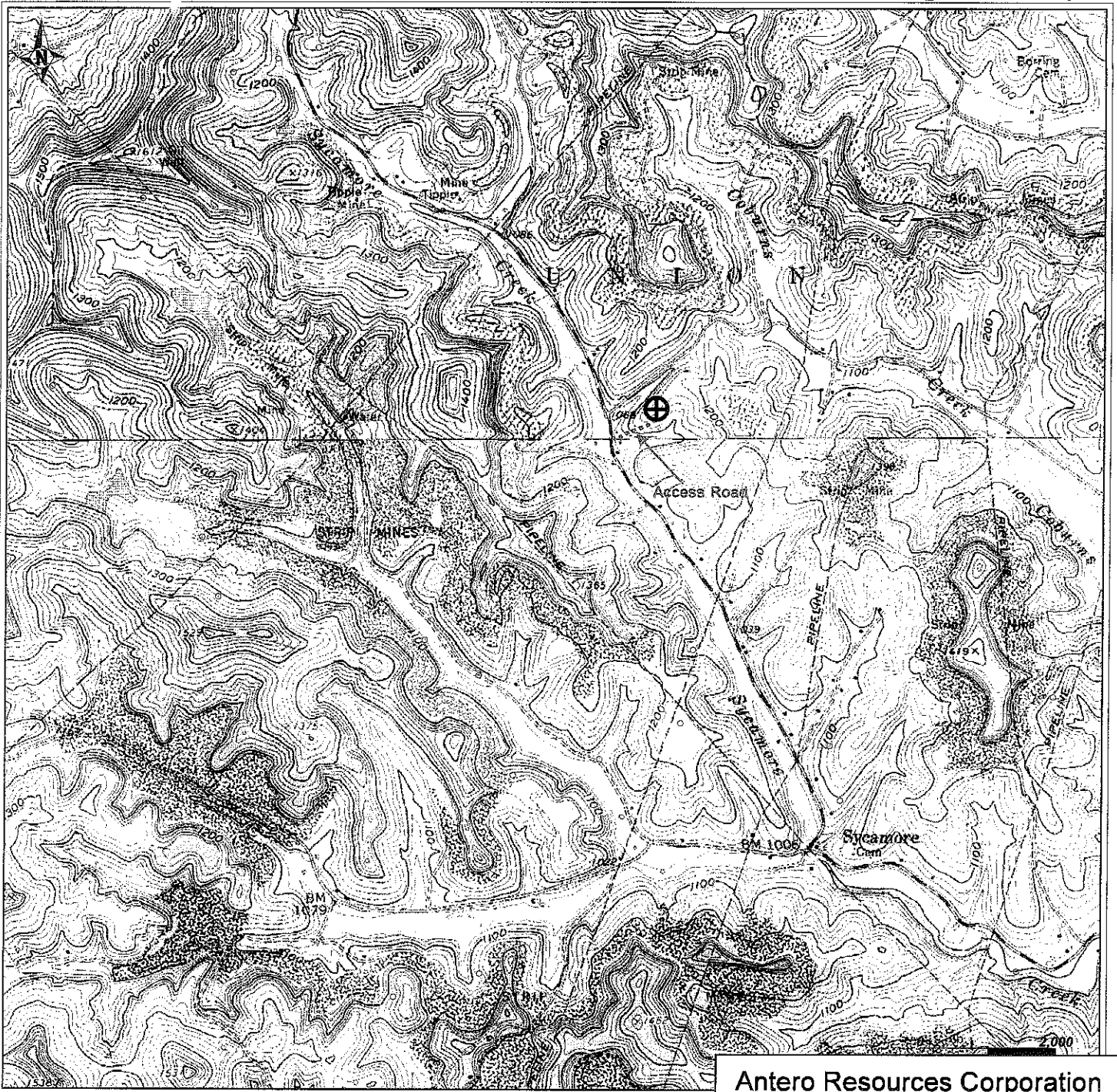
**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS**

DATE: June 1 20 12  
API WELL NO: Lanham Unit 1H  
47 - 033 05649H  
STATE COUNTY PERMIT  
OPERATOR'S WELL NO.

WELL TYPE:  OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  
(IF GAS) PRODUCTION:  STORAGE  DEEP  SHALLOW  
LOCATION: ELEVATION: 1169' WATERSHED West Fork River  
QUADRANGLE: Wolf Summit DISTRICT: Union COUNTY: Harrison  
SURFACE OWNER: Thelma Coffman Clara B. Lanham, et al; Clarence M. & Ruth D. Rogers; Edwin Maxwell Bryan & Zola Wine; Wilcox, et al; John A. & Carol L. Morlock ACREAGE: 75.41 25: 54.70; 217 4.16; 88; 4.16  
OIL AND GAS ROYALTY OWNER: Dixie Ann Avery, et al; Ray M. Palmer, et al; Frank J. Gallo G.N. Martin, et al; Mary Thrash; Andrew J. Lanham, et al LEASE NO: 52836; 052837; DV018810 ACREAGE: 68; 34.8; 15 DV014270; DV016861; 90455 21; 11; 24  
PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,100' TVD 17,700' MD

WELL OPERATOR: Antero Resources Appalachian Corporation DESIGNATED AGENT: Diana Stamper - CT Corporation System  
ADDRESS: 1625 17th Street ADDRESS: 5400 D Big Tyler Road  
Denver, CO 80202 Charleston, WV 25313

09/14/2012



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RECORDED  
 DEPARTMENT OF REVENUE  
 HARRISON COUNTY, WEST VIRGINIA  
 02/22/12

<b>Antero Resources Corporation</b>
APPALACHIAN BASIN
Lanham Unit 1H
Harrison County
<b>REMARKS</b> QUADRANGLE: WOLF SUMMIT WATERSHED: WEST FORK DISTRICT: UNION
Date: 02/22/12