

10,643' to Bottom Hole

1,761' to Top Hole

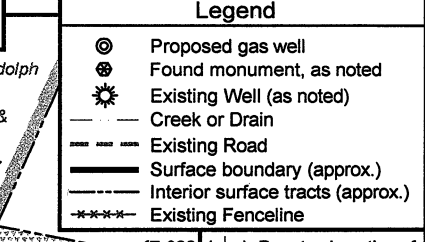
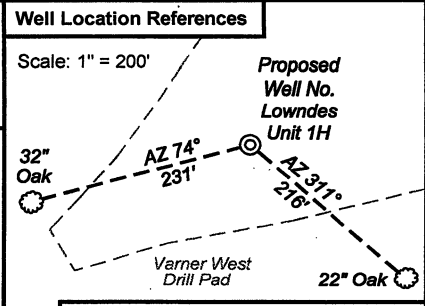
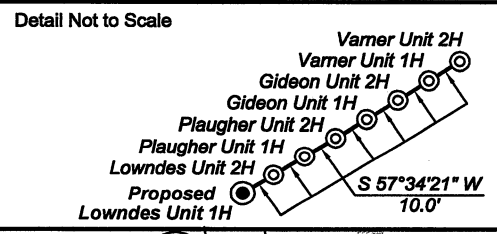
TOP & BOTTOM HOLE LATITUDE 39 - 17 - 30

TOP & BOTTOM HOLE LONGITUDE 80 - 32 - 30

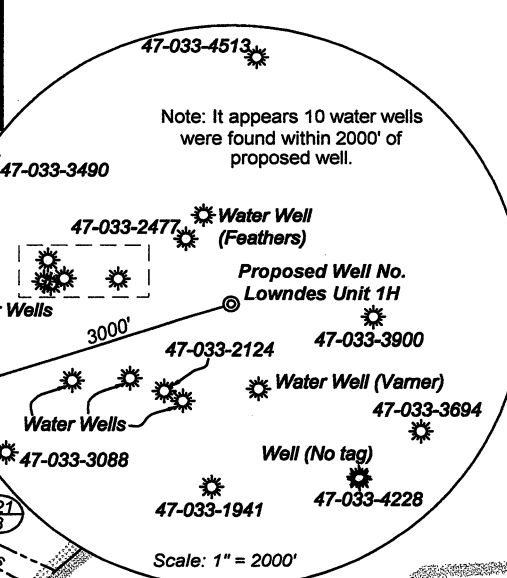
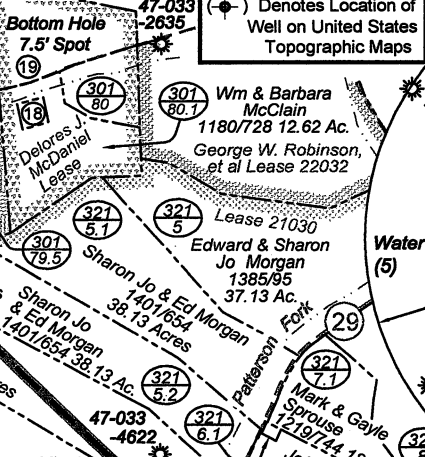
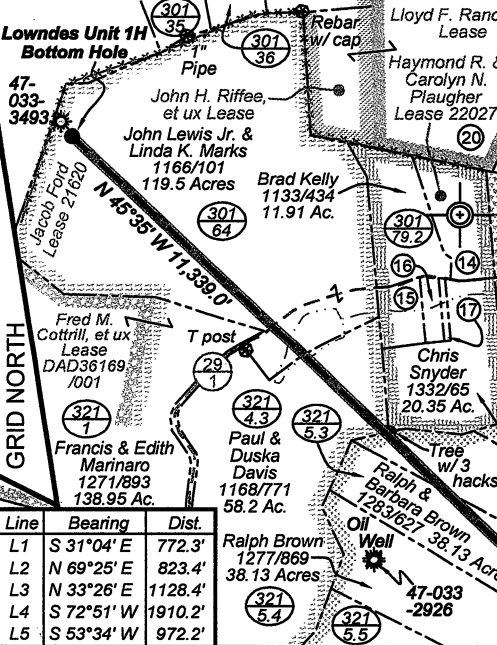
13,497' to Top Hole

6,140' to Bottom Hole

Antero Resources
Well No. Lowndes Unit 1H
Antero Resources
Appalachian Corporation



Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Lowndes Unit 1H Top Hole coordinates are
N: 276,553.06' Latitude: 39°15'16.40"
E: 1,703,421.29' Longitude: 80°32'50.39"
Bottom Hole coordinates are
N: 283,910.59' Latitude: 39°16'28.08"
E: 1,694,539.21' Longitude: 80°34'44.42"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,345,132.962m N: 4,347,329.312m
E: 539,072.216m E: 536,328.895m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

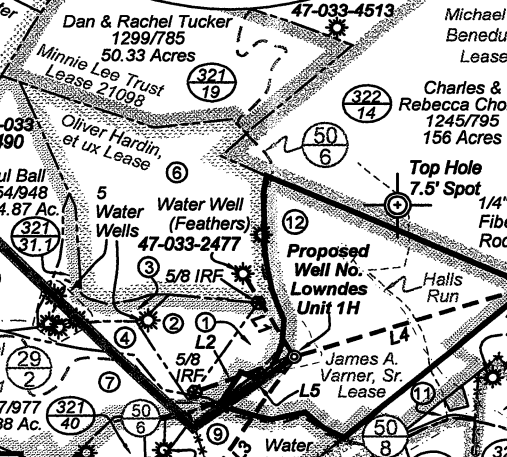
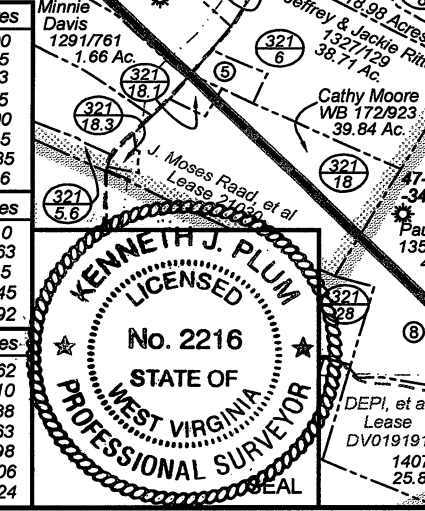


Line	Bearing	Dist.
L1	S 31°04' E	772.3'
L2	N 69°25' E	823.4'
L3	N 33°26' E	1128.4'
L4	S 72°51' W	1910.2'
L5	S 53°34' W	972.2'

Par	Tax Map	Owner	Bk/Pg	Acres
1	31.2	Patrick J. Shaver	1427/445	5.00
2	31.4	Dan Arnold & Crystal Shahan	1268/976	9.55
3	31.3	Robert Jr. & Betty Matheny	1114/163	3.53
4	31	Carl H. Jr. & Jeanne Adkins	1356/1050	2.35
5	6.2	John & Theresa Ritter	1362/590	3.00
6	30	Anthony E. Feathers	1453/1121	52.5
7	39	John & Marianne Cleavenger	1247/289	33.35
8	29	Paul Keppeler	1405/720	37.6

Par	Tax Map	Owner	Bk/Pg	Acres
9	19	David B. Taylor	1301/1069	14.0
10	20	James A. Vamer	1199/860	16.63
11	21.1	James A. Vamer	1261/953	1.45
12	18	James A. Vamer	1261/953	65.45
13	21	James A. Vamer	1199/860	33.92

Par	Tax Map	Owner	Bk/Pg	Acres
14	79	Carolyn N. Plaughter	F111/1050	10.62
15	79.1	Lonnie Dale & Sharrell Dunn	1160/229	4.10
16	79.3	Kenneth & Belinda Lockhart	1446/127	1.88
17	79.4	Kenneth & Belinda Lockhart	1446/127	0.63
18	80.3	William & Barbara McClain	1154/342	0.98
19	80.2	John L. Jr. & Linda K. Marks	1243/881	19.06
20	39	Linda Fluaharty	1171/231	13.24



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
Kenneth J. Plum, P.S. 2216

FILE NO: 10-36-TM-12
DRAWING NO: 10-12 Lowndes 1H Well Plat
SCALE: 1" = 1500'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

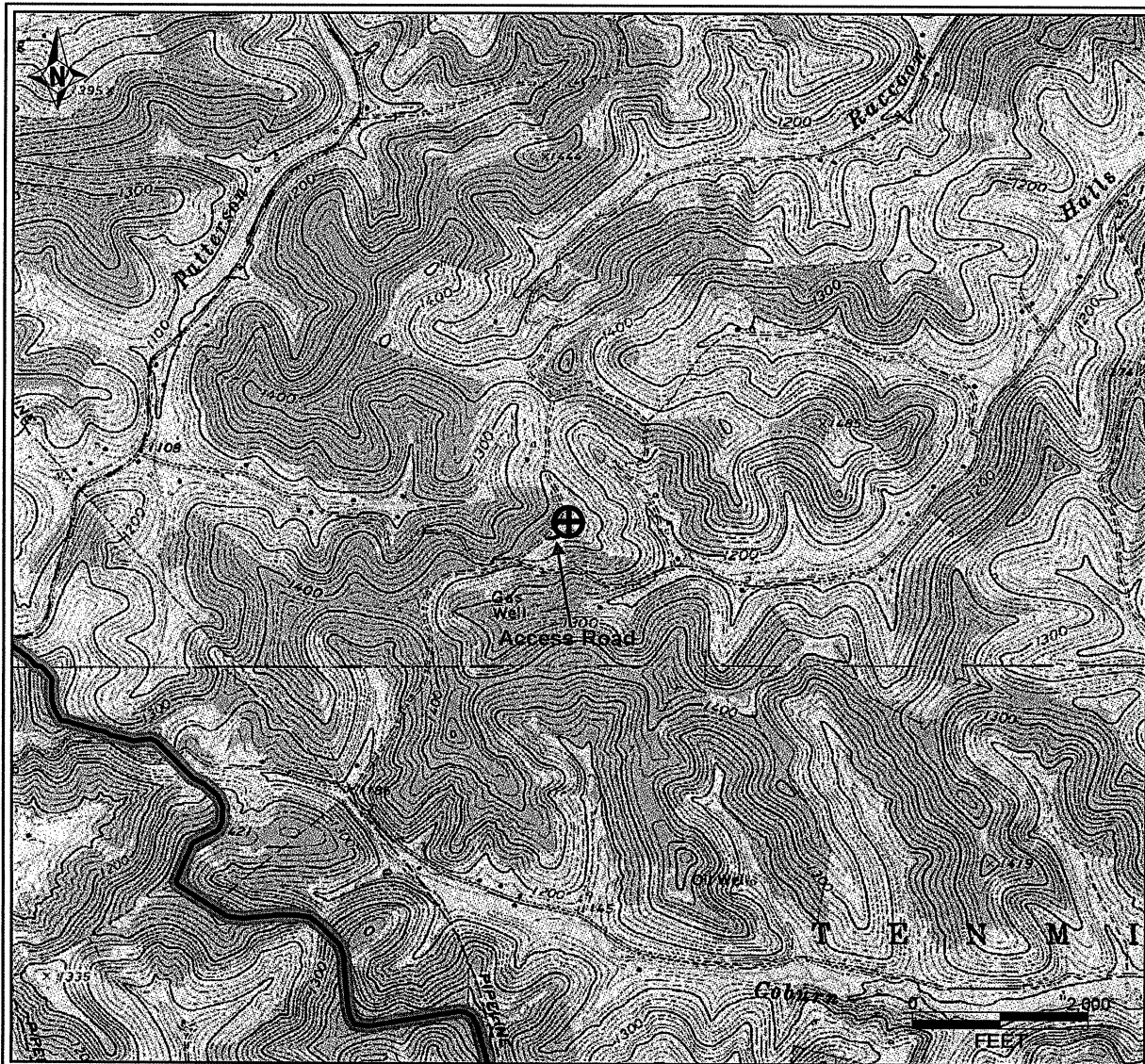
STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: December 17 2012
OPERATOR'S WELL NO. Lowndes Unit 1H
API WELL NO
47 - 033 - 5720 H6A
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: 1453' WATERSHED: Halls Run QUADRANGLE: Salem
DISTRICT: Tennile COUNTY: Harrison
SURFACE OWNER: James A. Vamer ACREAGE: 65.45 447
ROYALTY OWNER: James A. Vamer, Sr.; DEPI, et al; Gideon Thompson, et ux LEASE NO: DV019191; 21030 ACREAGE: 62.394; 283; 144
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: 7,700' TVD 19,500' MD

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

04/05/2013



PETRA 12/19/2012 2:51:43 PM

Antero Resources Corporation

APPALACHIAN BASIN

Lowndes Unit 1H
Harrison County



RECEIVED
 REMARKS: State of Oil & Gas
 QUADRANGLE: SALEM
 WATERSHED: HALLS RUN
 DISTRICT: TENMILE DEC 27 2012

Date: 12/19/2012

WV Department of
 Environmental Protection

33-05720 H6A LOWNDES UNIT 1H
ANTERO RESOURCES CORP

PAD NAME: VARNER WEST