

11,942 TO BOTTOM HOLE

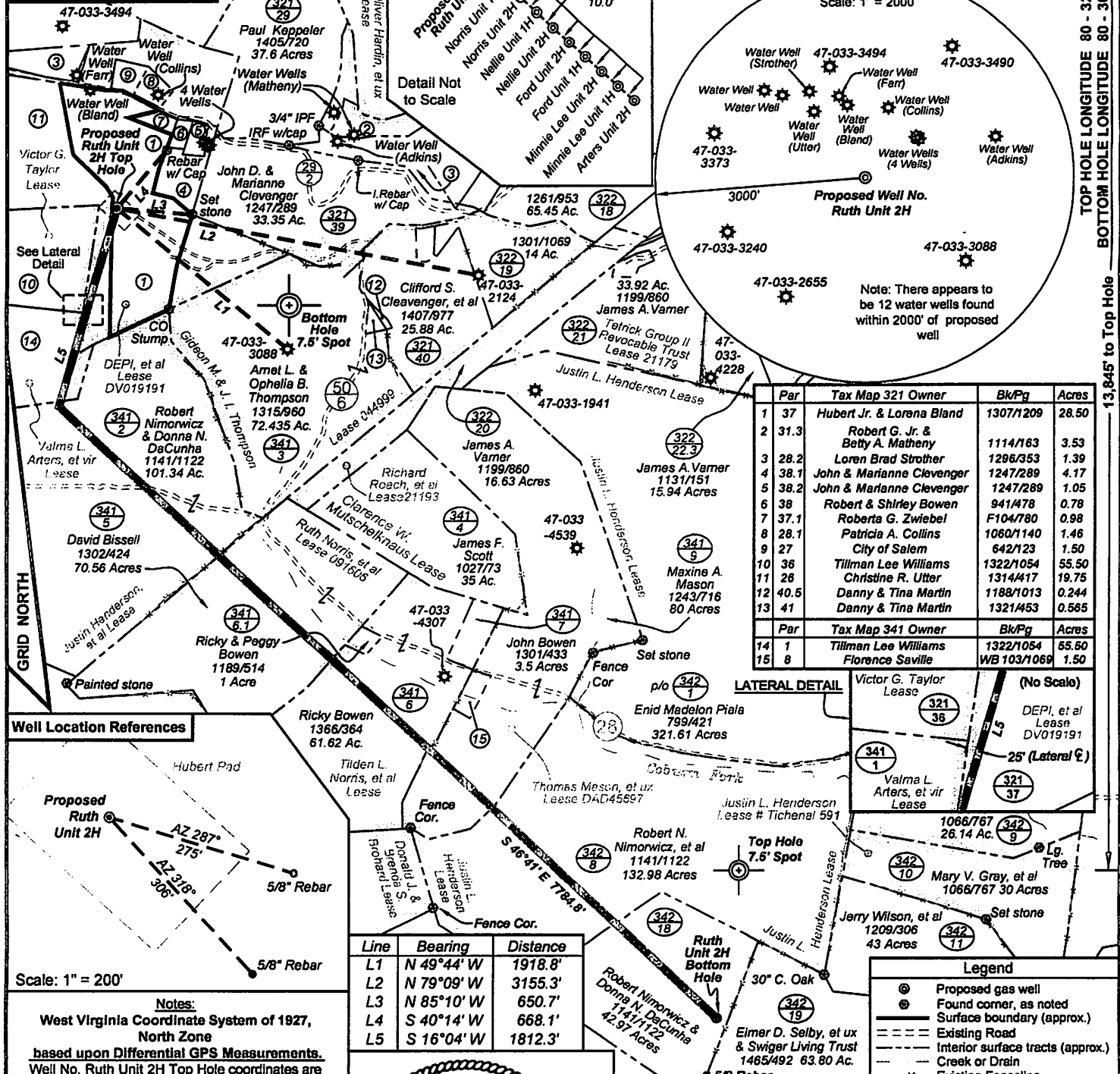
5,482' TO TOP HOLE

TOP HOLE LATITUDE 39 - 17 - 30
BOTTOM HOLE LATITUDE 39 - 15 - 00

TOP HOLE LONGITUDE 80 - 32 - 30
BOTTOM HOLE LONGITUDE 80 - 30 - 00

Antero Resources
Well No. Ruth Unit 2H
Antero Resources
Appalachian Corporation

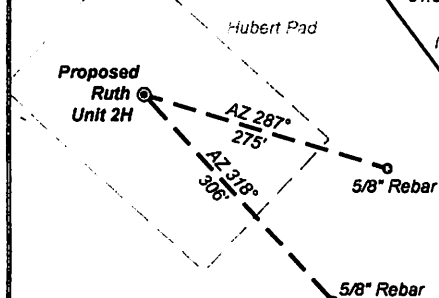
(*) Denotes location of well on United States topographic maps



| Par | Tax Map 321 Owner | Bk/Pg | Acres |
|-----|---------------------------------------|-----------|-------|
| 1 | 37 Hubert Jr. & Lorena Bland | 1307/1209 | 28.50 |
| 2 | 31.3 Robert G. Jr. & Betty A. Matheny | 1114/163 | 3.53 |
| 3 | 28.2 Loren Brad Strother | 1296/353 | 1.39 |
| 4 | 38.1 John & Marianne Clevenger | 1247/289 | 4.17 |
| 5 | 38.2 John & Marianne Clevenger | 1247/289 | 1.05 |
| 6 | 38 Robert & Shirley Bowen | 941/478 | 0.78 |
| 7 | 37.1 Roberta G. Zwiebel | F104/780 | 0.98 |
| 8 | 28.1 Patricia A. Collins | 1060/1140 | 1.46 |
| 9 | 27 City of Salem | 642/123 | 1.50 |
| 10 | 36 Tillman Lee Williams | 1322/1054 | 55.50 |
| 11 | 26 Christine R. Utter | 1314/417 | 19.75 |
| 12 | 40.5 Danny & Tina Martin | 1188/1013 | 0.244 |
| 13 | 41 Danny & Tina Martin | 1321/453 | 0.565 |

| Par | Tax Map 341 Owner | Bk/Pg | Acres |
|-----|------------------------|-------------|-------|
| 14 | 1 Tillman Lee Williams | 1322/1054 | 55.50 |
| 15 | 8 Florence Saville | WB 103/1069 | 1.50 |

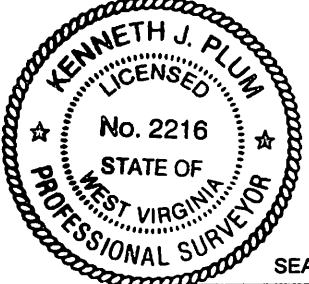
Well Location References



| Line | Bearing | Distance |
|------|------------|----------|
| L1 | N 49°44' W | 1918.8' |
| L2 | N 79°09' W | 3155.3' |
| L3 | N 85°10' W | 650.7' |
| L4 | S 40°14' W | 668.1' |
| L5 | S 16°04' W | 1812.3' |

Scale: 1" = 200'

Notes:
West Virginia Coordinate System of 1927, North Zone
based upon Differential GPS Measurements.
Well No. Ruth Unit 2H Top Hole coordinates are
N: 278,204.92 Latitude: 39°15'12.53"
E: 1,699,700.52 Longitude: 80°33'37.64"
Bottom Hole coordinates are
N: 269,123.27 Latitude: 39°14'03.13"
E: 1,704,863.63 Longitude: 80°32'30.96"
UTM Zone 17, NAD 1983
Top Hole Coordinates: Bottom Hole Coordinates:
N: 4,345,007.987m N: 4,342,876.784m
E: 537,940.424m E: 539,549.359m
Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.



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: 243-36-TM-12
DRAWING NO: 243-12 Ruth 2H Well Plat
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: September 19 20 12
OPERATOR'S WELL NO. Ruth Unit 2H
API WELL NO: 47 - 033 - 5698HG
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: 1376' WATERSHED: Patterson Fork QUADRANGLE: Salem & Big Isaac
DISTRICT: Tenmile COUNTY: Harrison 81.5
SURFACE OWNER: Hubert Jr. & Lorena Bland JUSTIN L. HENDERSON ACREAGE: 28.50 1026.936
ROYALTY OWNER: DEPI, et al; Valma L. Arters, et vir; Tiden L. Norris, et al LEASE NO: DAD45697; 091806 ACREAGE: 283; 55; 66.12
PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) TVD 7,600'
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: MD 16,200'

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

12/21/2012