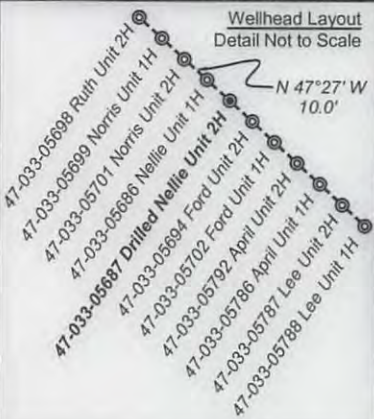


Line	Bearing	Distance
L1	N 49°47' W	1878.6'
L2	N 79°33' W	3121.2'
L3	S 68°12' W	1560.3'
L4	S 66°15' W	1858.4'

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.

Dwayne D. Matheny
Dwayne D. Matheny, P.S. 2070



Legend

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

Notes:
 West Virginia Coordinate System of 1927, North Zone
 based upon Differential GPS Measurements.
 Well No. Nellie Unit 2H Top Hole coordinates are
 N: 276,177.48 Latitude: 39°15'12.26"
 E: 1,699,730.01 Longitude: 80°33'37.26"
 Bottom Hole coordinates are
 N: 269,743.40 Latitude: 39°14'09.63"
 E: 1,708,070.29 Longitude: 80°31'50.30"
UTM Zone 17, NAD 1983
 Top Hole Coordinates: Bottom Hole Coordinates:
 N: 4,344,999.777m N: 4,343,082.005m
 E: 537,949.548m E: 540,523.140m
 Plat orientation and corner and well references are based upon the grid north meridian. Well location references are based upon the magnetic meridian.

Par	Tax Map 321 Owner	Bk/Pq	Acres
1 31.1	Robert G. Jr. & Betty A. Matheny	1405/720	4.87
2 31.3	Robert G. Jr. & Betty A. Matheny	1114/167	3.53
3 31	Carl H. Jr. & Jeanne Adkins	1356/1050	2.35
4 38.1	John & Marianne Clevenger	1247/289	4.17
5 38.2	John & Marianne Clevenger	1247/289	1.05
6 38	Robert N. & Shirley M. 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 28.4	Nancy E. Farr	1439/38	0.18
11 28.3	Nancy E. Farr	1362/580	
12 26	Christine R. Ulter	1314/417	19.75
13 40.4	Clifford S. & Laura Cleavenger	1406/1196	1.06
14 40.3	Clifford S. & Laura Cleavenger	1407/979	0.81
15 40.5	Danny & Tina Martin	1188/1013	0.244
16 40	Danny & Tina Martin	1321/453	0.565



FILE NO: 70-36-U-12
 DRAWING NO: 70-12 Nellie Drilled 2H
 SCALE: 1" = 1200'
 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: March 3 2017
 OPERATOR'S WELL NO. Nellie Unit 2H
 API WELL NO
 47 - 033 - 05687 F
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: Original - 1398' Existing - 1376' WATERSHED: Tenmile Creek QUADRANGLE: Salem & Big Isaac
 DISTRICT: Tenmile COUNTY: Harbo
 SURFACE OWNER: Hubert Jr. & Lorena Bland Justin L. Henderson; Tetrick Group II Revocable Trust; Tichenal 591; 21193; ACREAGE: 28.50 36; 17.50; 283;
 ROYALTY OWNER: DEPI, et al; Gideon M. & J.I. Thompson; Richard Roach, et al LEASE NO: DV019191; 044999; ACREAGE: 30; 144; 1026.936
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____ TVD 7,429'
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale DEPTH: MD 17,455'

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