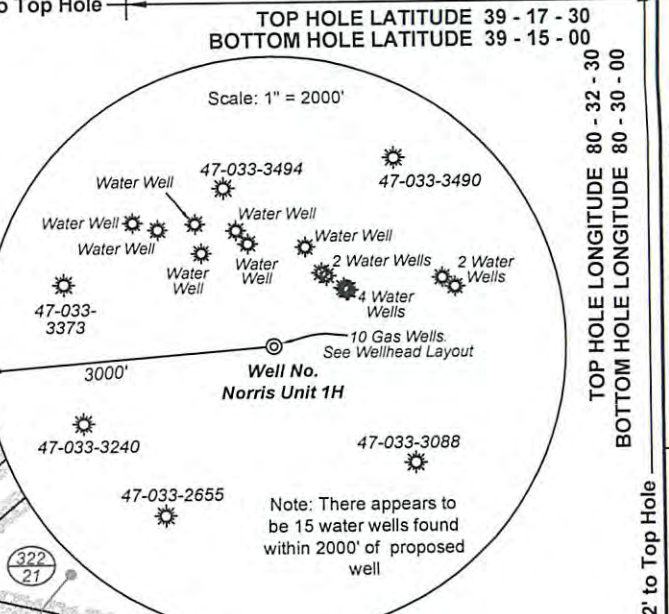


Top Hole coordinates verified by survey grade GPS. As-drilled data and information was provided by Antero Resources Corporation. Allegheny Surveys, Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that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



Par	Tax Map 321 Owner	Bk/Pg	Acres
1	37 Hubert Jr. & Lorena Bland	1307/1209	28.50
2	16 Arthur & Linda S. Lunsford	1004/1154	18.41
3	28.3 Nancy E. Farr	1362/580	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	29 Paul Keppeler	1405/720	37.60
12	40.5 Danny & Tina Martin	1188/1013	0.244
13	41 Danny & Tina Martin	1321/453	0.565
Legend			
Par	Tax Map 341 Owner	Bk/Pg	Acres
14	1 Tillman Lee Williams	1322/1054	55.50
15	8 Florence Saville	WB103/1069	1.50



Notes:
 Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 All No. Norris Unit 1H Top Hole coordinates are
 N: 276,198.66 Latitude: 39°15'12.47"
 E: 1,699,707.91 Longitude: 80°33'37.54"
 Bottom Hole coordinates are
 N: 269,879.54 Latitude: 39°14'10.63"
 E: 1,705,098.36 Longitude: 80°32'28.09"
UTM Zone 17, NAD 1983
 Hole Coordinates: Bottom Hole Coordinates:
 4,345,006.117m N: 4,343,108.377m
 537,942.707m E: 539,617.030m
 Orientation and corner and well references are based on the grid north meridian. Well location references are based upon the magnetic meridian.

Line	Bearing	Distance
L1	S 16°36' E	1683.9'
L2	N 79°15' W	3146.9'
L3	N 85°40' W	642.9'
L4	S 39°24' W	668.1'

Legend

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

(⊕) Denotes location of well on United States Topographic Maps

NO: 254-36-TM-12
 WING NO: Norris 1H As-Drilled Plat
 E: 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: April 14 2015
 OPERATOR'S WELL NO. Norris Unit 1H
 API WELL NO:
 47 - 033 - 05699
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 Original Grade - 1401'
 LOCATION: ELEVATION: Existing Grade - 1376' WATERSHED: Tenmile Creek QUADRANGLE: Salem & Big Isaac
 COUNTY: Harrison 1026.936
 SURFACE OWNER: Hubert Jr. & Lorena Bland Thomas Mason, et ux; Justin L. Henderson Justin Henderson, et al; Valma L. Arters, et vir DAD45697; 091606 ACREAGE: 28.50 1012; 55.5
 DOWNTY OWNER: DEPI, et al; Gideon M. & J. I. Thompson; Tiden L. Norris, et al LEASE NO: DV019191; 044999 ACREAGE: 283; 144; 66.12; 55
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled TVD 7,410'
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale DEPTH: MD 15,395'
 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

06/12/2015