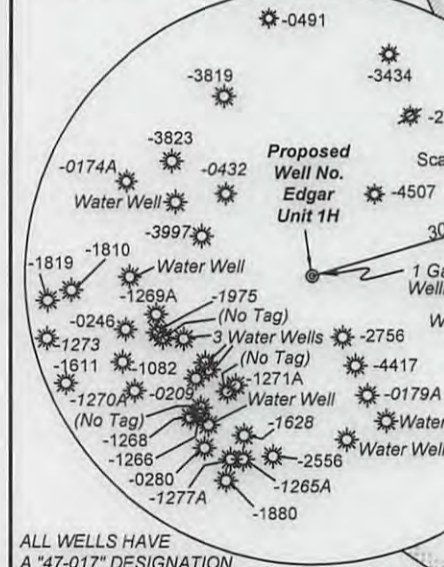


**Lease Table**

A	Charles Williams by Randy Williams, A.I.F. Lease
B	John Yutzy Lease
C	Delbert Ray Ash Lease
D	Pauline Arndt, et vir Lease
E	Gary Lynn McMillan & Pamela S. McMillan Lease



Note: It appears 9 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



**Well Location References**

Bearing	Dist.
L1 N 40°16' E	411.0'
L2 N 43°24' W	804.4'
L3 N 63°44' W	684.4'
L4 S 38°00' W	1057.4'
L5 N 25°34' W	1049.6'

**Notes:**  
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
 Well No. Edgar Unit 1H Top Hole coordinates are  
 N: 306,978.58' Latitude: 39°20'08.90"  
 E: 1,639,239.47' Longitude: 80°46'31.72"  
 Bottom Hole coordinates are  
 N: 315,860.04' Latitude: 39°21'36.25"  
 E: 1,636,198.58' Longitude: 80°47'12.04"  
 UTM Zone 17, NAD 1983  
 Top Hole Coordinates Bottom Hole Coordinates  
 N: 4,354,075.714m N: 4,356,765.994m  
 E: 519,364.353m E: 518,392.802m  
 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 rules issued and prescribed by the Department of Environmental Protection.

*Kenneth J. Plum*  
 Kenneth J. Plum, P.S. 2216

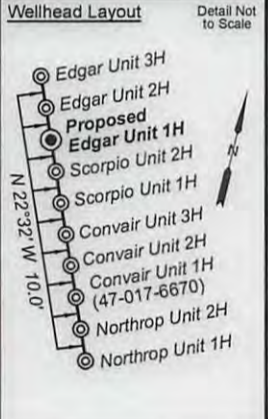
**Legend**

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

**Notes:**  
 Well No. Edgar Unit 1H UTM Zone 17, NAD 1927  
 Top Hole Coordinates  
 N: 14,284,281.84'  
 E: 1,703,900.58'  
 Point of Entry Coordinates  
 N: 14,284,599.74'  
 E: 1,704,160.86'  
 Bottom Hole Coordinates  
 N: 14,293,108.26'  
 E: 1,700,713.07'

**TM 4 Surface Owner(s)**

Par.	Bk/Pg	Acres	TM 4 Surface Owner(s)
1	8	282/181	26.57
2	9	282/181	7.16
3	10	282/181	7.91
4	2	282/181	0.90
5	17.1	299/145	20.44
6	17	256/621	19.70
7	11	195/237	7.19
8	24	248/254	35.34
9	32	241/412	43.94
10	16	248/254	26.01
11	30	211/302	30.50
12	34.4	320/629	4.50
13	32.1	349/322	20.00



FILE NO: 40-30-WU-14  
 DRAWING NO: Edgar 1H Well Plat 11-16  
 SCALE: 1" = 1200'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

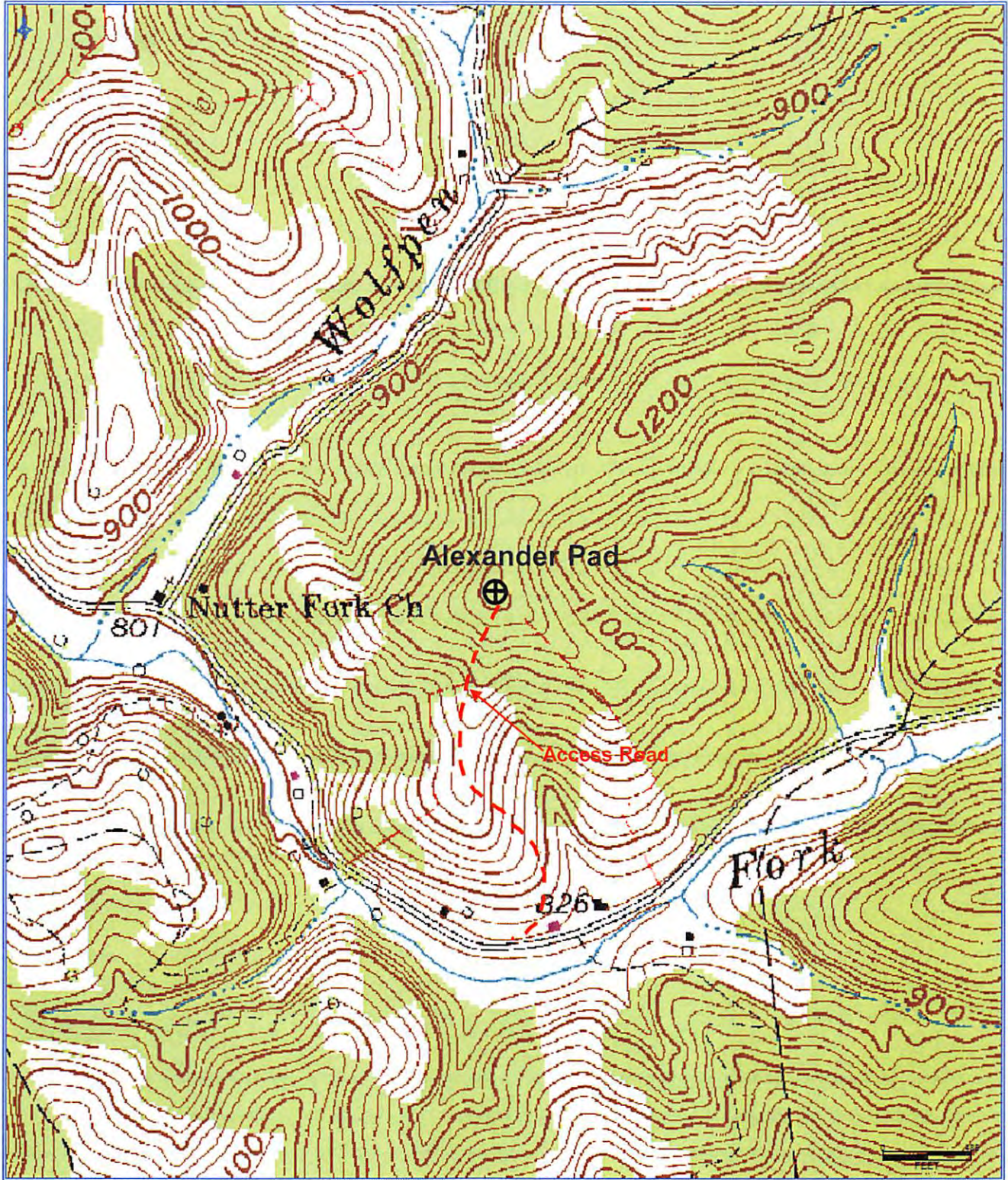
DATE: January 4 20 17  
 Operator's Well No. Edgar Unit 1H  
 API WELL NO  
 47 - 017 - 06891  
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: Existing Grade - 1202' Proposed Grade - 1181' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: West Union  
 DISTRICT: West Union COUNTY: Doddridge  
 SURFACE OWNER: Matthew W. Alexander & Linda Marie Muhly  
 ROYALTY OWNER: H. Ross Swiger, et ux; Joseph Freeman, et ux; Larry Williams; Lourie Smith LEASE NO: ACREAGE: 59; 7.91; 428.51

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ 7,500' TVD  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 17,000' MD

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



**Antero Resources Corporation**  
Appalachian Basin RECEIVED  
Edgar Unit 1H Office of Oil and Gas  
Doddridge County  
JUL 10 2017  
WV Department of  
Environmental Protection

Quadrangle: West Union  
Watershed: Middle Island Creek  
District: West Union  
Date: 6-2-2014

09/15/2017