

LATITUDE 39°15'00"

8,123'

10,910' TO BOTTOM HOLE

LATITUDE 39°15'00"

LONGITUDE 80°55'00"

13,184'

LONGITUDE 80°55'00"

### Antero Resources Corporation Well No. Buzzard Run Unit 1H

WV NORTH ZONE  
GRID NORTH

| Clay District - Ritchie County |                    |
|--------------------------------|--------------------|
| 31-12                          | Steven Stanley     |
| 31-16                          | Austin Jones       |
| 31-16.1                        | Jason Flanigan     |
| 31-17                          | E.L.F. LLC         |
| 31-17.2                        | Austin Jones       |
| 31-18                          | E.L.F. LLC         |
| 35-05                          | E.L.F. LLC         |
| 35-12                          | E.L.F. LLC         |
| 35-28                          | Brian Taylor       |
| 36-06                          | E.L.F. LLC         |
| 36-6.1                         | E.L.F. LLC         |
| 36-6.3                         | E.L.F. LLC         |
| 36-07                          | Suzanne Jenatha    |
| 36-14.1                        | Brian Taylor       |
| 36-15                          | Brian Taylor       |
| 36-26                          | Meghan Clovis      |
| 36-27                          | James Elder        |
| 36-28                          | James Masters      |
| 36-29                          | Brian Taylor       |
| 36-30                          | Terry Lee Richards |
| 36-30.1                        | Terry Lee Richards |
| 40-02                          | Scott Williams     |
| 40-03                          | Tommy Pastlethwait |
| 40-05                          | Terry Lee Richards |
| 40-07                          | James Masters      |
| 40-7.1                         | Terry Lee Richards |
| 40-08                          | Terry Lee Richards |
| 40-8.1                         | Terry Lee Richards |
| 40-09                          | Terry Lee Richards |
| 40-10                          | Roger Richards     |
| 40-13                          | Tommy Pastlethwait |
| 40-14                          | Duane Riggs        |
| 40-18                          | Duane Riggs        |
| 40-19                          | Duane Riggs        |
| 40-20                          | Duane Riggs        |
| 40-20.1                        | Duane Riggs        |

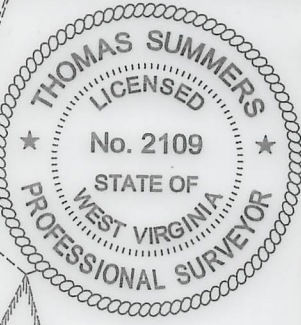
#### NOTE

NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.

#### NOTES:

WELL 1H TOP HOLE INFORMATION:  
N: 263,276ft E: 1,590,486ft  
LAT: 39°12'49.69" LON: 80°56'43.20"  
BOTTOM HOLE INFORMATION:  
N: 274,521ft E: 1,587,876ft  
LAT: 39°14'40.41" LON: 80°57'18.68"  
WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 4,340,514m E: 504,734m  
BOTTOM HOLE INFORMATION:  
N: 4,343,926m E: 503,881m

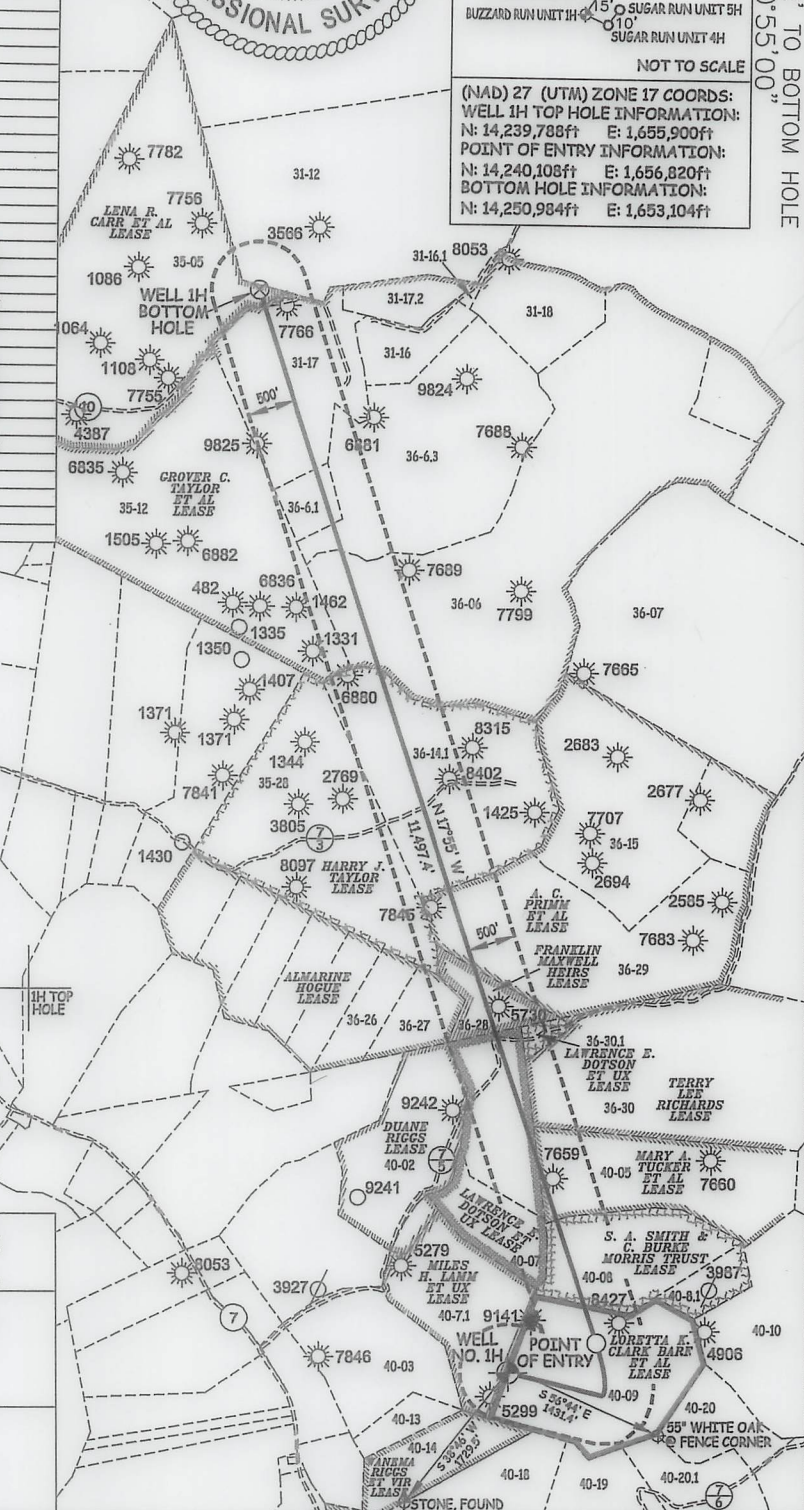
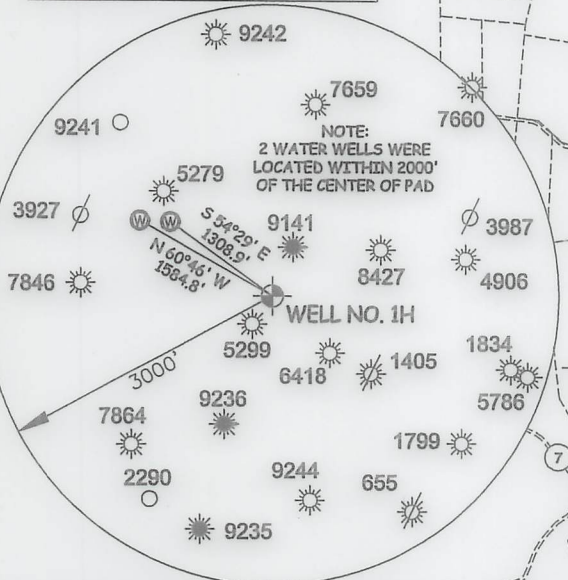


**PAD LAYOUT**

04/26/2019

NOT TO SCALE

(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 1H TOP HOLE INFORMATION:  
N: 14,239,788ft E: 1,655,900ft  
POINT OF ENTRY INFORMATION:  
N: 14,240,108ft E: 1,656,820ft  
BOTTOM HOLE INFORMATION:  
N: 14,250,984ft E: 1,653,104ft



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 PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

**LEGEND**

- Surface Owner Boundary Lines +/-
- Interior Surface Tracts +/-
- - - - - Existing Fence
- ⊕ Found monument, as noted

*Thomas Summers*

THOMAS SUMMERS P.S. 2109

DATE 03/08/19

OPERATOR'S WELL# BUZZARD RUN UNIT #1H

**REFERENCES**

STAKE/ NAIL, SET

STAKE/ NAIL, SET

1" = 500'

JOB # 18-025WA  
DRAWING # BUZZARDRUN1H  
SCALE 1" = 2000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS  
STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ 47 \_\_\_ 085 \_\_\_ 10379 **MDP**  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW  STATE COUNTY PERMIT  
LOCATION: ELEVATION 1,162' ORIGINAL - 1,149' PROPOSED WATERSHED NORTH FORK HUGHES RIVER QUADRANGLE PULLMAN 7.5' (SHL) PENNSBORO 7.5' (BHL)  
SURFACE OWNER TERRY LEE RICHARDS ACREAGE 60 ACRES +/- DISTRICT CLAY COUNTY RITCHIE  
OIL & GAS ROYALTY OWNER LORETTA K. CLARK BARE ET AL; S. A. SMITH & C. BURKE MORRIS TRUST; LEASE ACREAGE 60 AC±; 46.48 AC±; MARY A TUCKER ET AL; LAWRENCE E. DOTSON ET UX; FRANKLIN MAXWELL HEIRS; A. C. PRIMM ET AL; 50 AC±; 57 AC±; 12 AC±; 174 AC±; HARRY J. TAYLOR; GROVER C. TAYLOR ET AL; LENA R. CARR ET AL 155 AC±; 577 AC±; 163 AC±  
PROPOSED WORK: DRILL \_\_\_ CONVERT \_\_\_ DRILL DEEPER  REDRILL \_\_\_ FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL  
(SPECIFY) MOD-BHL PLUG & ABANDON CLEAN OUT & REPLUG  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 19,500' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313