

LATITUDE 39°27'30"

8,305'

696' TO BOTTOM HOLE  
LATITUDE 39°27'30"

LONGITUDE 80°52'30"

1,427' TO BOTTOM HOLE

9,607'

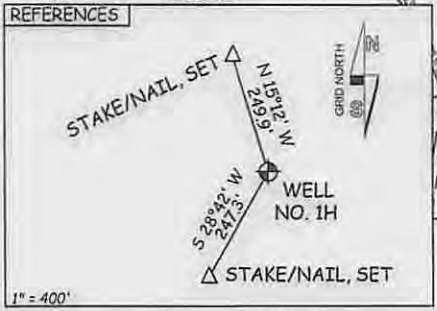
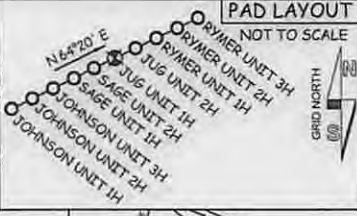
LONGITUDE 80°50'00"

Antero Resources Corporation  
Well No. Jug Unit 1H

THOMAS SUMMERS  
LICENSED  
No. 2109  
STATE OF WEST VIRGINIA  
PROFESSIONAL SURVEYOR

NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 342,359ft E: 1,615,093ft  
LAT: 39°25'55.06" LON: 80°51'45.85"  
BOTTOM HOLE INFORMATION:  
N: 350,605ft E: 1,611,058ft  
LAT: 39°27'15.95" LON: 80°52'38.87"  
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: 4,364,731m E: 511,828m  
BOTTOM HOLE INFORMATION:  
N: 4,367,223m E: 510,557m



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 PERSERIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



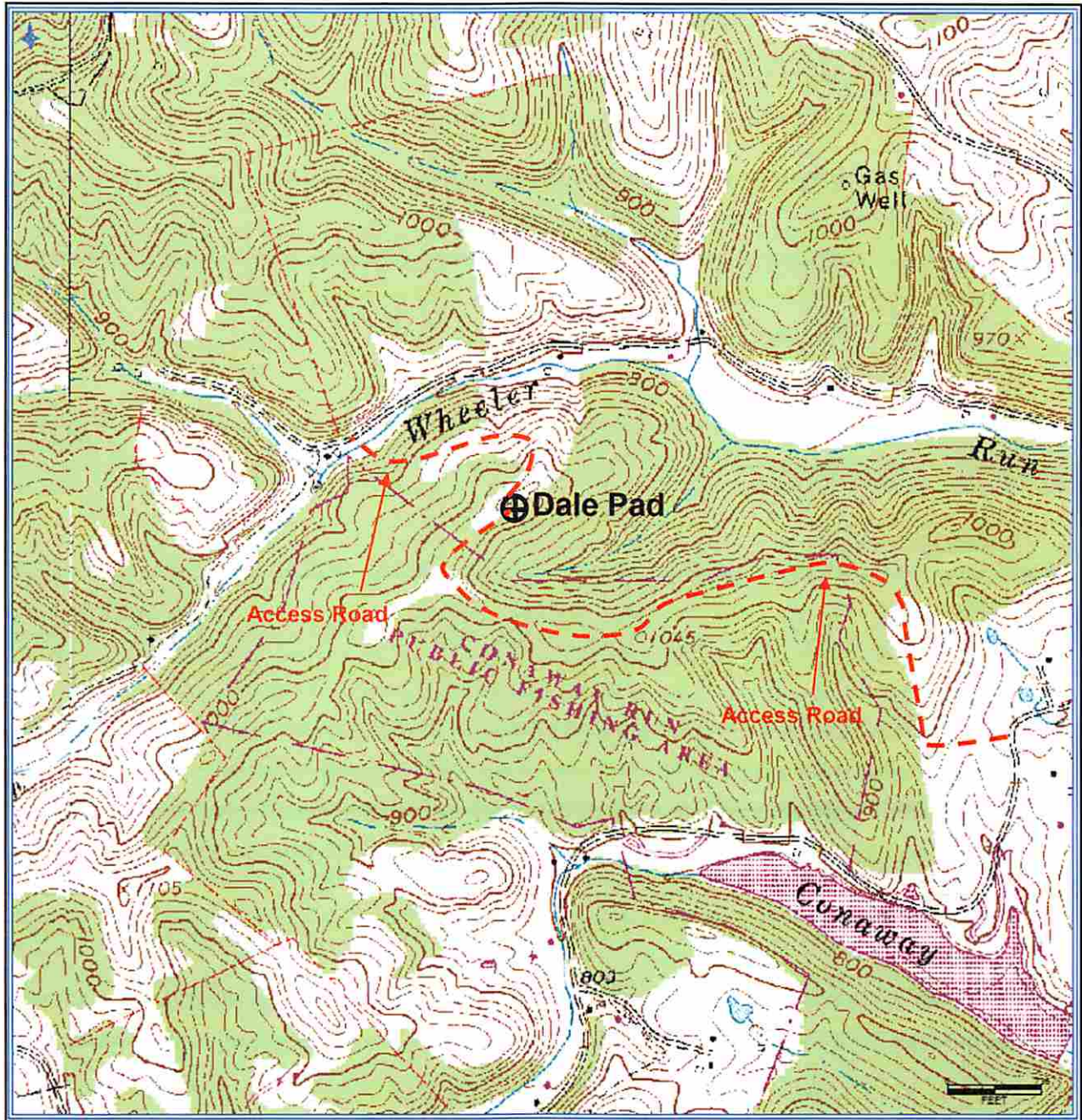
STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

JOB # 13-102WA  
DRAWING # JUG1HR2  
SCALE 1" = 1000'  
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

LEGEND  
--- Surface Owner Boundary Lines +/-  
--- Interior Surface Tracts +/-  
X Existing Fence  
⊕ Found monument, as noted  
THOMAS SUMMERS P.S. 2109  
DATE 03/25/15  
OPERATOR'S WELL# JUGUNIT#1H

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_ 47 -- 095 -- 0226546A  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X STATE COUNTY PERMIT COUNTY NAME  
LOCATION: ELEVATION 1,036' ORIGINAL - 1,017' PROPOSED WATERSHED HEADWATERS MIDDLE ISLAND CREEK 07/17/2015  
QUADRANGLE SHIRLEY 7.5' - SHL MIDDLEBOURNE 7.5' - BHL DISTRICT CENTERVILLE COUNTY TYLER  
SURFACE OWNER RAYMOND UNDERWOOD ACREAGE 23 ACRES +/-  
OIL & GAS ROYALTY OWNER RAYMOND V. UNDERWOOD ET UX; W.V. DIVISION OF NATURAL RESOURCES; LEASE ACREAGE 96 ACRES±; 244.25 ACRES±;  
NORMAN FLEMING ET UX; RAYMOND V. UNDERWOOD ET UX; VIRGINIA R. WOLF; CATHY JO ASH ET AL; MARK DOUGLAS FLETCHER; DAVID L. MAPLE 23.69 ACRES±; 76.5 AC±; 128 AC±; 315.25 AC±; 86 ACRES±; 88.75 AC±  
PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE X  
PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL  
(SPECIFY) \_\_\_ PLUG & ABANDON CLEAN OUT & REPLUG  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' TVD 16,400' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
ADDRESS 1815 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
DENVER, CO 80202 CHARLESTON, WV 25313

09502265



Received  
Office of Oil & Gas  
MAY 11 2015

**Antero Resources Corporation**  
Appalachian Basin  
Jug Unit 1H  
Tyler County  
Quadrangle: Shirley  
Watershed: Headwaters Middle Island Creek  
District: Centerville  
Date: 3-5-14

07/17/2015