

LATITUDE 39°27'30"

8,341'

LATITUDE 39°25'00"

LONGITUDE 80°50'00"

9,629'

LONGITUDE 80°50'00"

Antero Resources Corporation  
Well No. Johnston Unit 1H

WILLIE R. LESTER  
D.B. 326 PG. 402  
T.M. 04 PAR. 07  
97.75 AC. ±

REGINA H. BERTOZZI ET AL  
D.B. 334 PG. 420  
T.M. 04 PAR. 08.3  
41.86 AC. ±

ROBERT L. RIPLEY ET AL  
D.B. 327 PG. 77  
T.M. 04 PAR. 06.2  
18.75 AC. ±

RAYMOND UNDERWOOD  
W.B. 28 PG. 70  
T.M. 04 PAR. 12  
76.5 AC. ±

RAYMOND V. UNDERWOOD ET UX LEASE  
N 66°23' W  
1323.3'

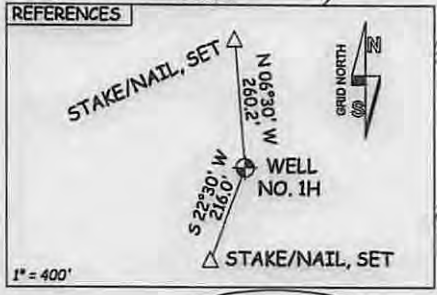
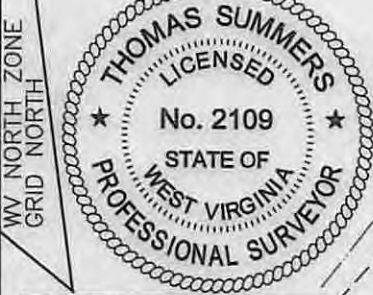
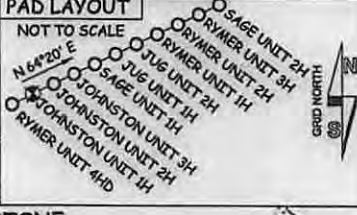
RAYMOND UNDERWOOD  
D.B. 114 PG. 272  
T.M. 04 PAR. 13  
96 AC. ±

NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 342,341ft E: 1,615,057ft  
LAT: 39°25'54.89" LON: 80°51'46.30"  
BOTTOM HOLE INFORMATION:  
N: 333,231ft E: 1,616,895ft  
LAT: 39°24'25.12" LON: 80°51'21.13"  
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: 4,364,726m E: 511,817m  
BOTTOM HOLE INFORMATION:  
N: 4,361,960m E: 512,423m

A = LOREN E. BAGLEY D.B. 349 PG. 284 T.M. 8 PAR 3.1  
B = LOREN E. BAGLEY D.B. 349 PG. 284 T.M. 8 PAR 3.3  
C = ARLIT ARBOGAST D.B. 376 PG. 826 T.M. 8 PAR 3.2  
D = DAVID D. CHIPPS D.B. 290 PG. 682 T.M. 8 PAR 3.5

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.



STATE COUNTY PERMIT  
47 095 02307

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

JOB # 15-034WA  
DRAWING # JOHNSTON1HR1  
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 - x - Existing Fence  
⊕ Found monument, as noted  
THOMAS SUMMERS P.S. 2109  
DATE 07/29/15  
OPERATOR'S WELL# JOHNSTON UNIT #1H

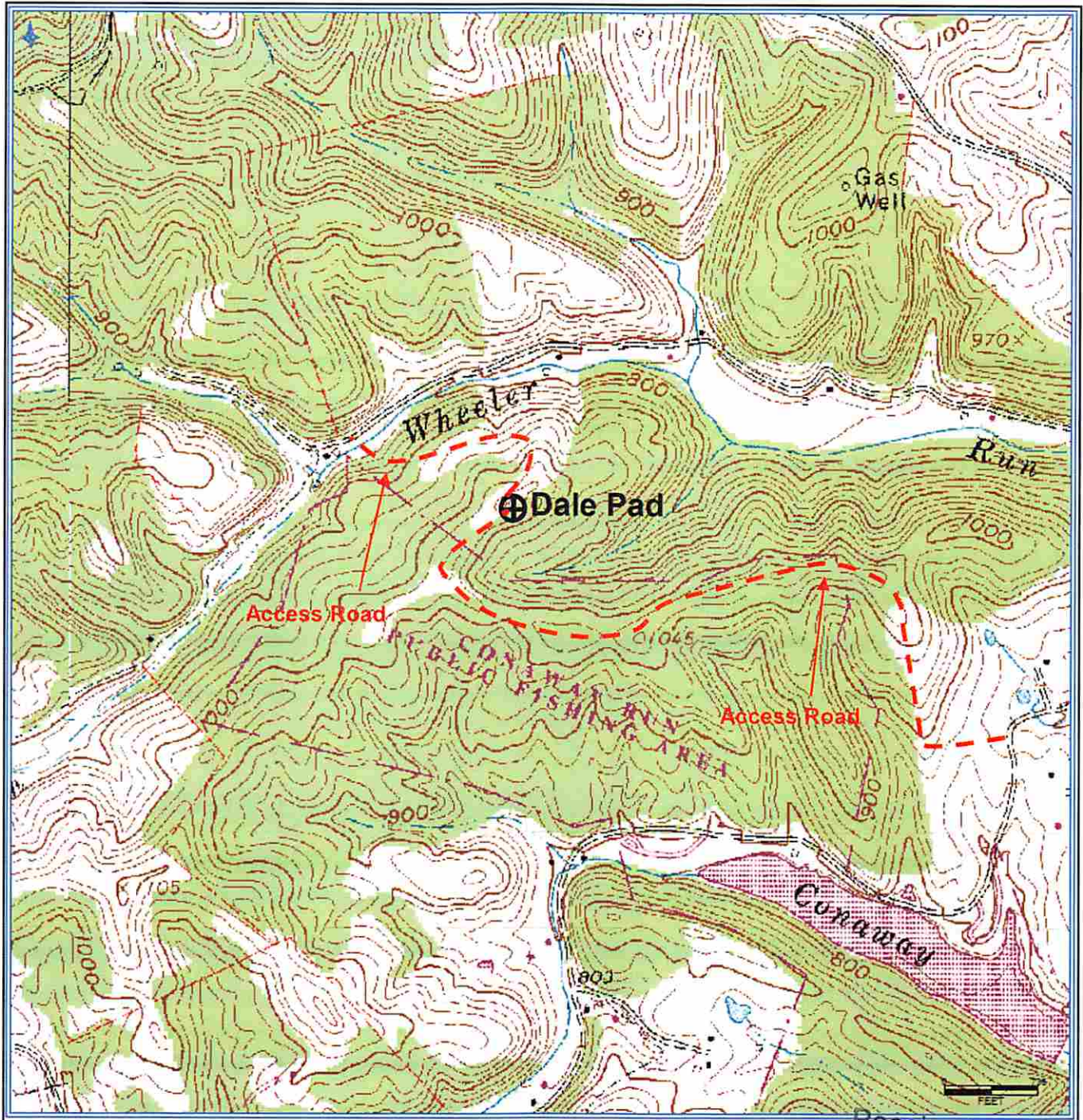
WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
LOCATION: ELEVATION 1,036' ORIGINAL - 1,017' PROPOSED WATERSHED HEADWATERS MIDDLE ISLAND CREEK  
QUADRANGLE SHIRLEY 7.5 DISTRICT CENTERVILLE COUNTY TYLER  
SURFACE OWNER RAYMOND UNDERWOOD ACREAGE 96 ACRES +/-  
OIL & GAS ROYALTY OWNER RAYMOND V. UNDERWOOD ET UX; W.V.D.N.R.; LEASE ACREAGE 96 ACRES±; 244.25 ACRES±;  
FORREST E. LEASEBURG ET UX; HELEN L. OSBORNE; RITA J. HITCHCOCK; RONALD ASH ET UX; CARL W. ASH ET UX 78 ACRES±; 168.75 ACRES±; 50 ACRES±; 72 ACRES±; 88 ACRES±  
PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_  
TARGET FORMATION MARCELLUS PLUG & ABANDON CLEAN OUT & REPLUG  
WELL OPERATOR ANTERO RESOURCES CORP. ESTIMATED DEPTH 6,700' TVD 17,000' MD  
DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
DENVER, CO 80202 CHARLESTON, WV 25313

Received  
Office of Oil & Gas  
JAMES L. HOWARD ET AL  
D.B. 297 PG. 95  
T.M. 08 PAR. 10  
68.31 AC. ±  
AUG 14 2015

9/18/2015



4709502307



Received  
Office of Oil & Gas  
AUG 14 2015

**Antero Resources Corporation**  
Appalachian Basin  
Johnston Unit 1H  
Tyler County

Quadrangle: Shirley  
Watershed: Headwaters Middle Island Creek  
District: Centerville  
Date: 3-5-14

9/18/2015