

LATITUDE 39°12'30" 3,261'

LATITUDE 39°15'00"

LONGITUDE 80°55'00"

6,862'

10,936' TO BOTTOM HOLE

Antero Resources Corporation  
Well No. Left Fork Unit 4H

WELL NO. 4H  
BOTTOM HOLE

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 4H TOP HOLE INFORMATION:  
N: 254,346ft E: 1,595,208ft  
LAT: 39°11'22.18" LON: 80°55'41.42"  
BOTTOM HOLE INFORMATION:  
N: 265,475ft E: 1,593,566ft  
LAT: 39°13'11.91" LON: 80°56'04.52"  
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 4H TOP HOLE INFORMATION:  
N: 4,337,817m E: 506,218m  
BOTTOM HOLE INFORMATION:  
N: 4,341,199m E: 505,661m



WV NORTH ZONE  
GRID NORTH

TERRY LEE RICHARDS  
D.B. 104 PG. 507  
T.J.L. 40 PAR. 05  
50 AC. ±

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D.B. 104 PG. 507  
T.J.L. 40 PAR. 05  
50 AC. ±

CHERYL HUNTING ET UX LEASE  
ROBERT F. PUGH ET AL  
D.B. 237 PG. 455  
T.J.L. 40 PAR. 05  
36.5 AC. ±

BERNARD W. RICHARDS ET AL LEASE  
ROGER B. RICHARDS  
D.B. 242 PG. 319  
T.J.L. 40 PAR. 10  
103.56 AC. ±

TERRY LEE RICHARDS  
D.B. 104 PG. 507  
T.J.L. 40 PAR. 09  
50 AC. ±

DUANE RIGGS  
D.B. 274 PG. 39  
T.J.L. 40 PAR. 20  
19.9 AC. ±

W. G. BURGAN ET AL LEASE  
JOHN CAMPBELL  
D.B. 171 PG. 662  
T.J.L. 8 PAR. 3  
126.23 AC. ±

KEVIN H. WRIGHT  
W.B. 35 PG. 535  
T.J.L. 8 PAR. 4  
71 AC. ±

J.B. ELLIOTT ET UX LEASE  
THOMAS ELLIOTT  
W.B. 22 PG. 69  
T.J.L. 40 PAR. 21  
69.35 AC. ±

JULIE SATRE  
D.B. 242 PG. 152  
T.J.L. 40 PAR. 22  
119.5 AC. ±

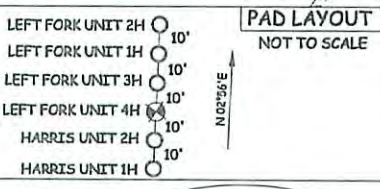
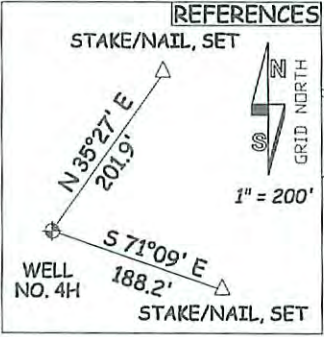
I.S. HALL ET AL LEASE

FRED HICKNEY ET AL  
D.B. 230 PG. 579  
T.J.L. 08 PAR. 05  
91415 AC. ±

BERNARD RICHARDS ET AL LEASE  
JOHN WAYNE RICHARDS  
D.B. 224 PG. 75  
T.J.L. 8 PAR. 7  
209 AC. ±

MICHAEL P. HEASTER ET AL LEASE  
MARK GRIZZARD ET AL  
W.B. 36 PG. 846  
T.J.L. 13 PAR. 19  
73.75 AC. ±

DENNIS HADDOX ET AL LEASE  
CHRISTOPHER A. SMITH  
D.B. 248 PG. 145  
T.J.L. 13 PAR. 10  
41.75 AC. ±



JOB # 12-045  
DRAWING # LEFTFORKUNIT4HR2  
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 +/-, Existing Fence, Found monument, as noted  
DOUGLAS R. ROWE P.S. 2202

Received Office of Oil & Gas FEB 08 2016

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  
266 HUSHERS RUN RD PENNSBORO WEST VIRGINIA 26415

DATE 02/04/16  
OPERATOR'S WELL# LEFT FORK UNIT #4H

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X  
LOCATION: ORIGINAL GROUND ELEV. 1,039' PROPOSED ELEV. 1021'  
WATERSHED SOUTH FORK HUGHES RIVER

QUADRANGLE PULLMAN 7.5' DISTRICT UNION COUNTY RITCHIE  
SURFACE OWNER O'NEILL FAMILY TRUST ET AL ACREAGE 300.45 ACRES +/-  
OIL & GAS ROYALTY OWNER O'NEILL FAMILY TRUST ET AL; DENNIS HADDOX ET AL; MICHAEL P. HEASTER ET AL; BERNARD RICHARDS ET AL; J.B. ELLIOTT ET UX; BERNARD W. RICHARDS ET AL; CHERYL HUNTING ET UX  
LEASE ACREAGE 517.83 ACRES ±; 41.75 ACRES ±; 234.5 ACRES ±; 214 ACRES ±; 70 ACRES ±; 114 ACRES ±; 141.29 ACRES ±

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) Modification - Spacing PLUG & ABANDON CLEAN OUT & REPLUG  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,700' TVD 19,200' MD

WELL OPERATOR ANTERO RESOURCES CORP.  
ADDRESS 1615 WYNKOOP STREET DENVER, CO 80202

DESIGNATED AGENT DIANNA STAMPER  
ADDRESS CT CORPORATION SYSTEM 5400 D BIG TYLER ROAD CHARLESTON, WV 25313

API WELL # 47 - 085 - 10206  
STATE COUNTY PERMIT

03/25/2016