

LATITUDE 39°20'00" | -1,237'

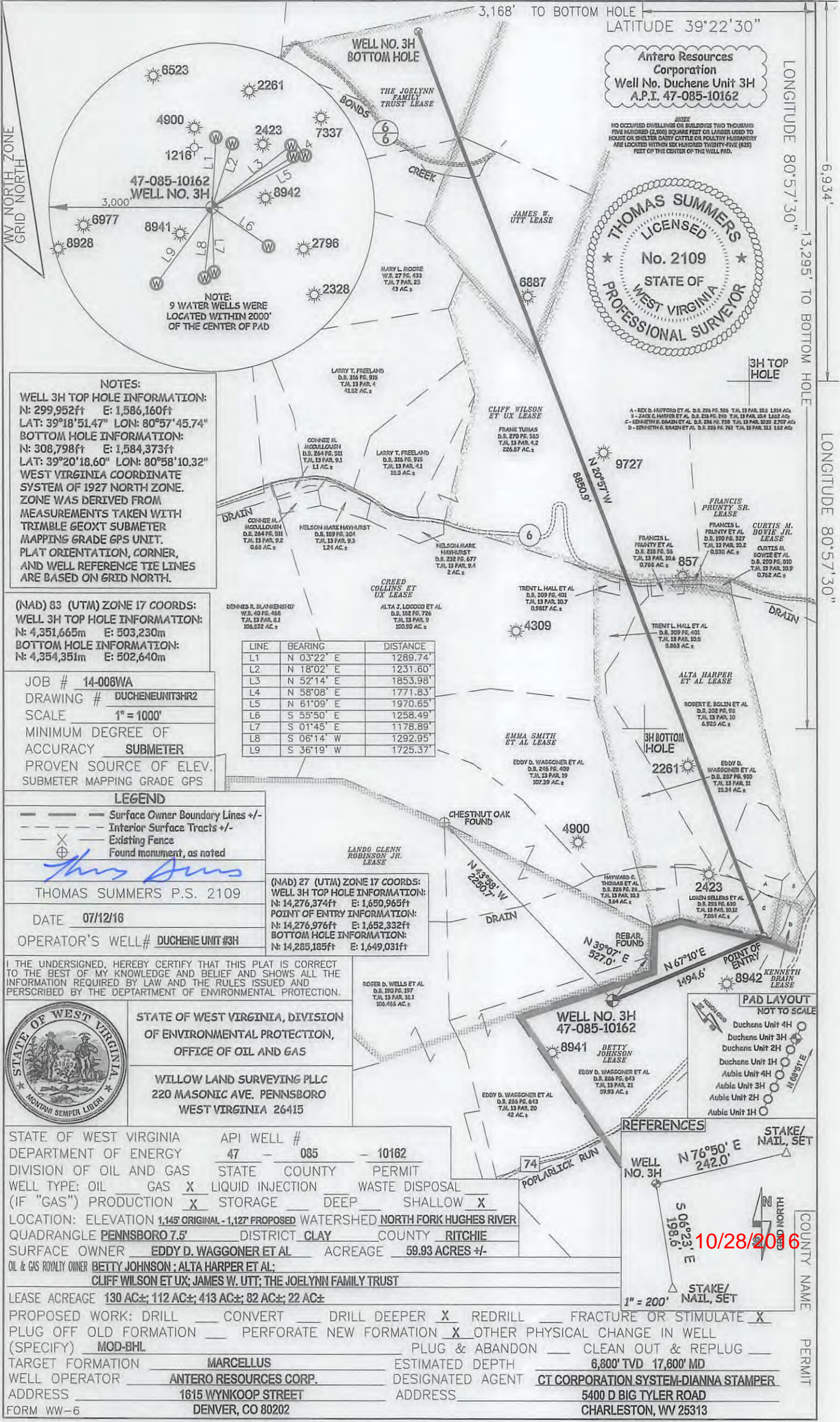
LATITUDE 39°22'30"

LONGITUDE 80°57'30"

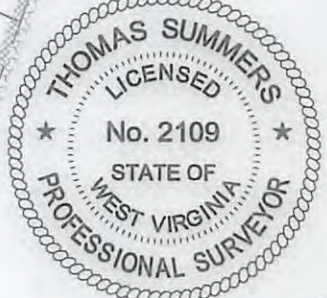
6,934'

1,329' TO BOTTOM HOLE

LONGITUDE 80°57'30"



Antero Resources Corporation
Well No. Duchene Unit 3H
A.P.I. 47-085-10162



NOTES:
WELL 3H TOP HOLE INFORMATION:
N: 299,952ft E: 1,586,160ft
LAT: 39°18'51.47" LON: 80°57'45.74"
BOTTOM HOLE INFORMATION:
N: 308,798ft E: 1,584,373ft
LAT: 39°20'18.60" LON: 80°58'10.32"
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 3H TOP HOLE INFORMATION:
N: 4,351,665m E: 503,230m
BOTTOM HOLE INFORMATION:
N: 4,354,351m E: 502,640m

JOB # 14-006VVA
DRAWING # DUCHENEUNIT3HR2
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LINE	BEARING	DISTANCE
L1	N 03°22' E	1289.74'
L2	N 18°02' E	1231.60'
L3	N 52°14' E	1853.98'
L4	N 58°08' E	1771.83'
L5	N 61°09' E	1970.65'
L6	S 55°50' E	1258.49'
L7	S 01°45' E	1178.89'
L8	S 06°14' W	1292.95'
L9	S 36°19' W	1725.37'

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

THOMAS SUMMERS P.S. 2109
DATE 07/12/16
OPERATOR'S WELL # DUCHENE UNIT #3H

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 3H TOP HOLE INFORMATION:
N: 14,276,374ft E: 1,650,965ft
POINT OF ENTRY INFORMATION:
N: 14,276,976ft E: 1,652,332ft
BOTTOM HOLE INFORMATION:
N: 14,285,185ft E: 1,649,031ft

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

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

API WELL # 47 - 085 - 10162

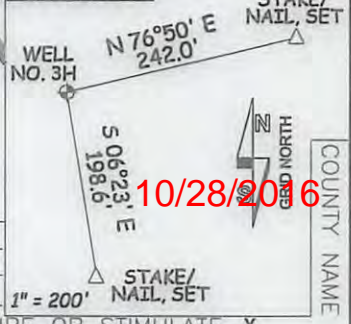
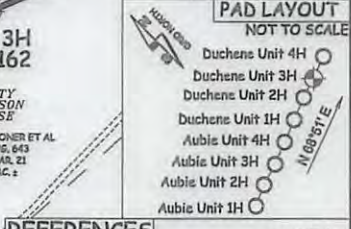
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,145 ORIGINAL - 1,127 PROPOSED WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
SURFACE OWNER EDDY D. WAGGONER ET AL ACREAGE 59.93 ACRES +/-
OIL & GAS ROYALTY OWNER BETTY JOHNSON; ALTA HARPER ET AL;
CLIFF WILSON ET UX; JAMES W. UTT; THE JOELYNN FAMILY TRUST

LEASE ACREAGE 130 AC±; 112 AC±; 413 AC±; 82 AC±; 22 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 17,600' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313



10/28/2016
COUNTY NAME PERMIT