

LATITUDE 39°20'00" | 1,228'

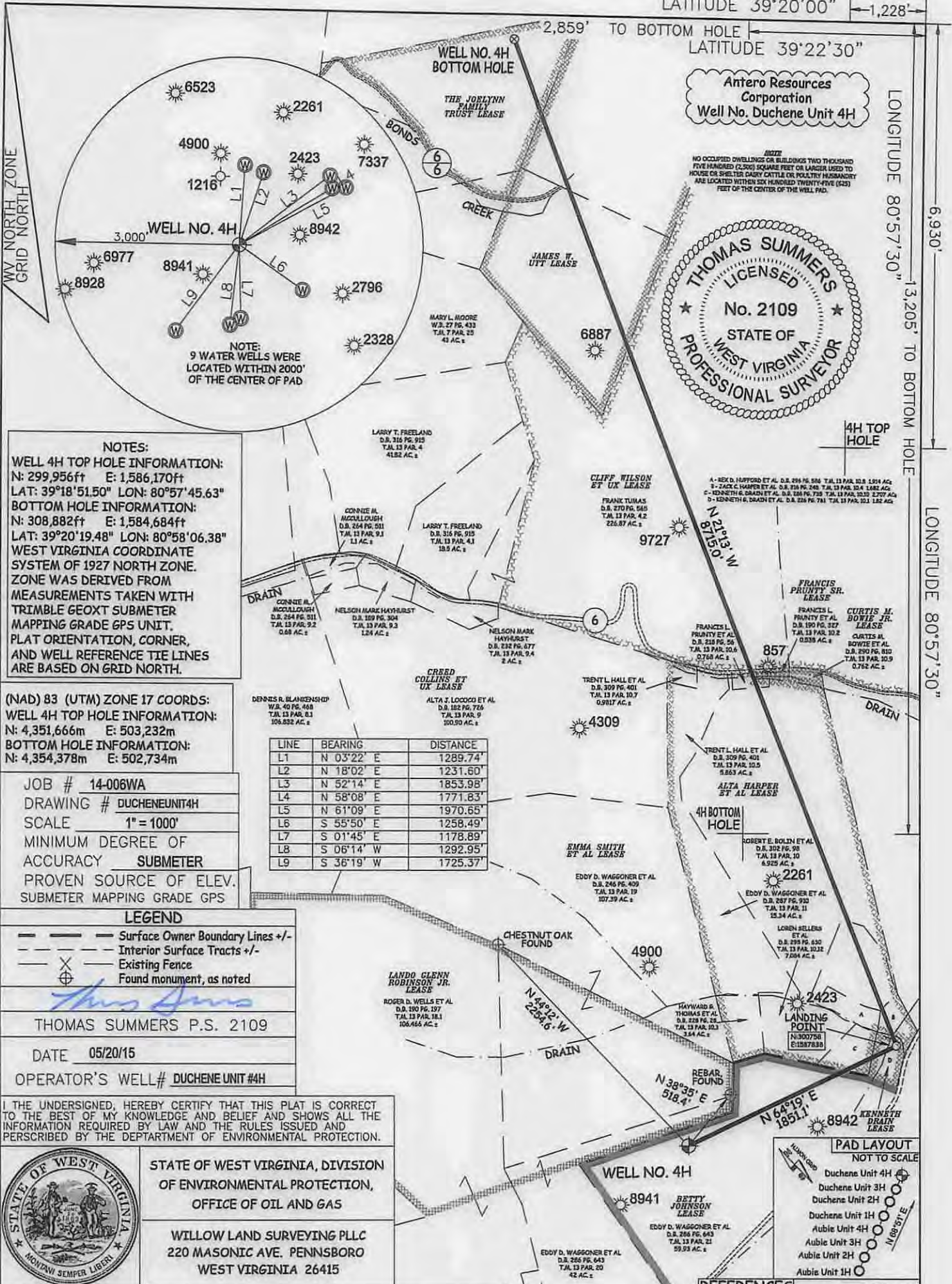
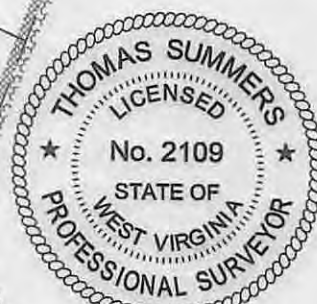
LATITUDE 39°22'30"

LONGITUDE 80°57'30" | 6,930'

LONGITUDE 80°57'30" | 13,205' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Duchene Unit 4H

NOTE:
NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND
FIVE HUNDRED (2,000) SQUARE FEET OR LARGER USED TO
HOUSE OR SHELTER CARRY CATTLE OR POLYTRY MUSKIE
ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625)
FEET OF THE CENTER OF THE WELL PAD.



NOTES:
WELL 4H TOP HOLE INFORMATION:
N: 299,956ft E: 1,586,170ft
LAT: 39°18'51.50" LON: 80°57'45.63"
BOTTOM HOLE INFORMATION:
N: 308,882ft E: 1,584,684ft
LAT: 39°20'19.48" LON: 80°58'06.38"
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: 4,351,666m E: 503,232m
BOTTOM HOLE INFORMATION:
N: 4,354,378m E: 502,734m

JOB # 14-006WA
DRAWING # DUCHENEUNIT4H
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

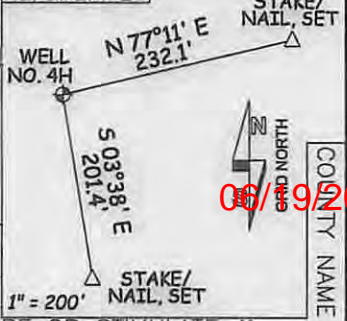
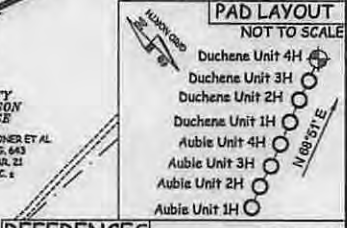
THOMAS SUMMERS P.S. 2109
DATE 05/20/15
OPERATOR'S WELL# DUCHENE UNIT #4H

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
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; KENNETH DRAIN;
CLIFF WILSON ET UX; JAMES W. UTT; THE JOELYNN FAMILY TRUST



05/19/2015

LEASE ACREAGE 130 AC±; 112 AC±; 1.82 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 6,600' TVD 16,800' 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