

LATITUDE 39°20'00" | 1,237'

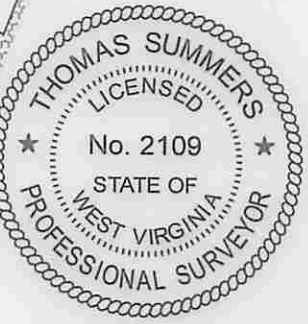
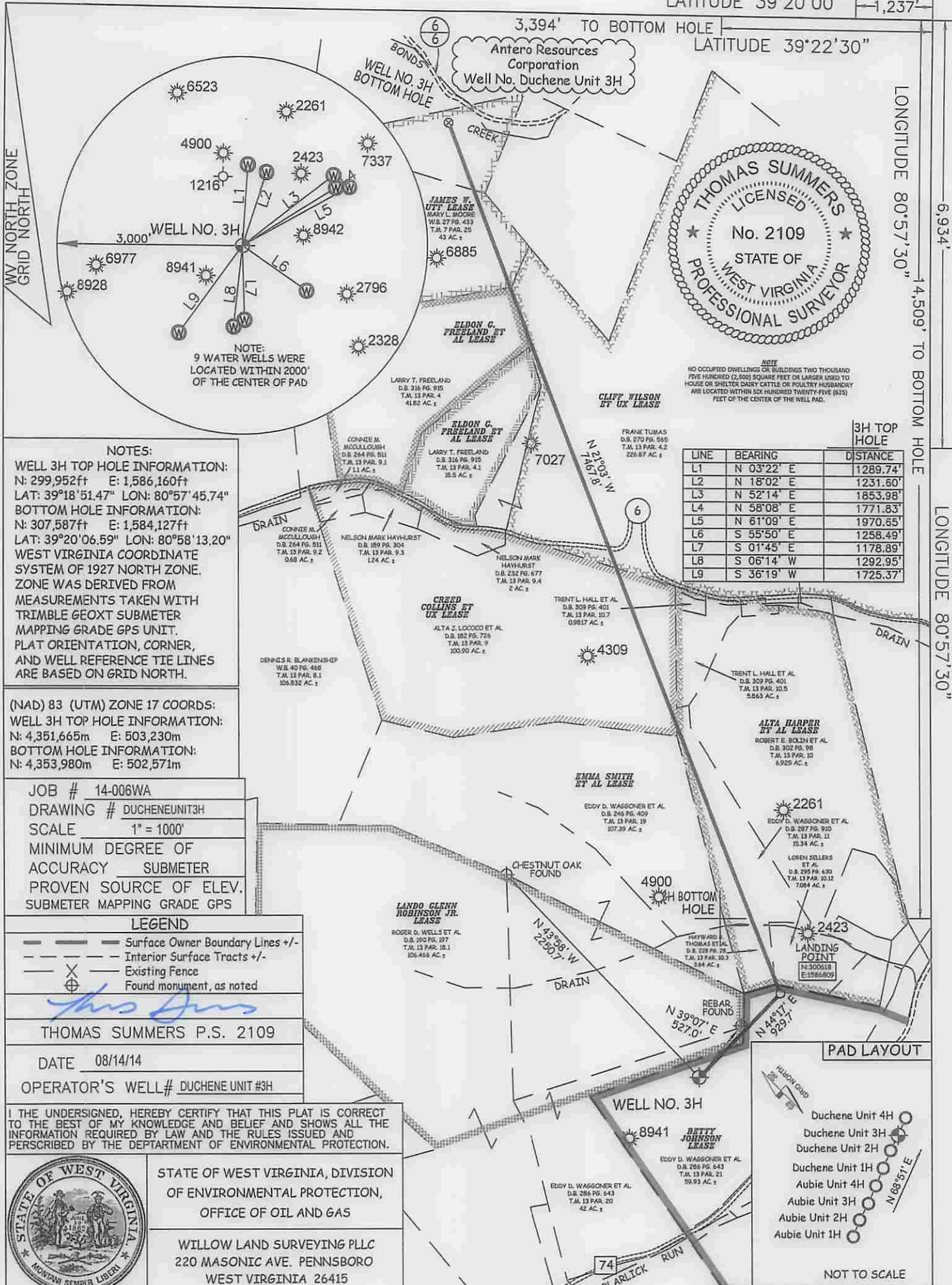
LATITUDE 39°22'30"

LONGITUDE 80°57'30"

6,934'

14,509' TO BOTTOM HOLE

LONGITUDE 80°57'30"



NOTE
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.

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'

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: 307,587ft E: 1,584,127ft
LAT: 39°20'06.59" LON: 80°58'13.20"
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: 4,353,980m E: 502,571m

JOB # 14-006WA
DRAWING # DUCHENEUNIT3H
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

THOMAS SUMMERS P.S. 2109
DATE 08/14/14
OPERATOR'S WELL# DUCHENE UNIT #3H

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 # 47-085-10/62

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL

(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW

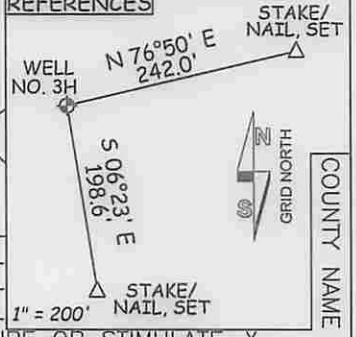
LOCATION: ELEVATION 1,127' WATERSHED POPLARLICK RUN

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; LANDO GLENN ROBINSON JR.; ALTA HARPER ET AL; CREED COLLINS ET UX; CLIFF WILSON ET UX; ELDON G. FREELAND ET AL; JAMES W. UTT

LEASE ACREAGE 130 AC±; 130 AC±; 112 AC±; 104 AC±; 413 AC±; 38 AC±; 56.5 AC±



PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE

PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG

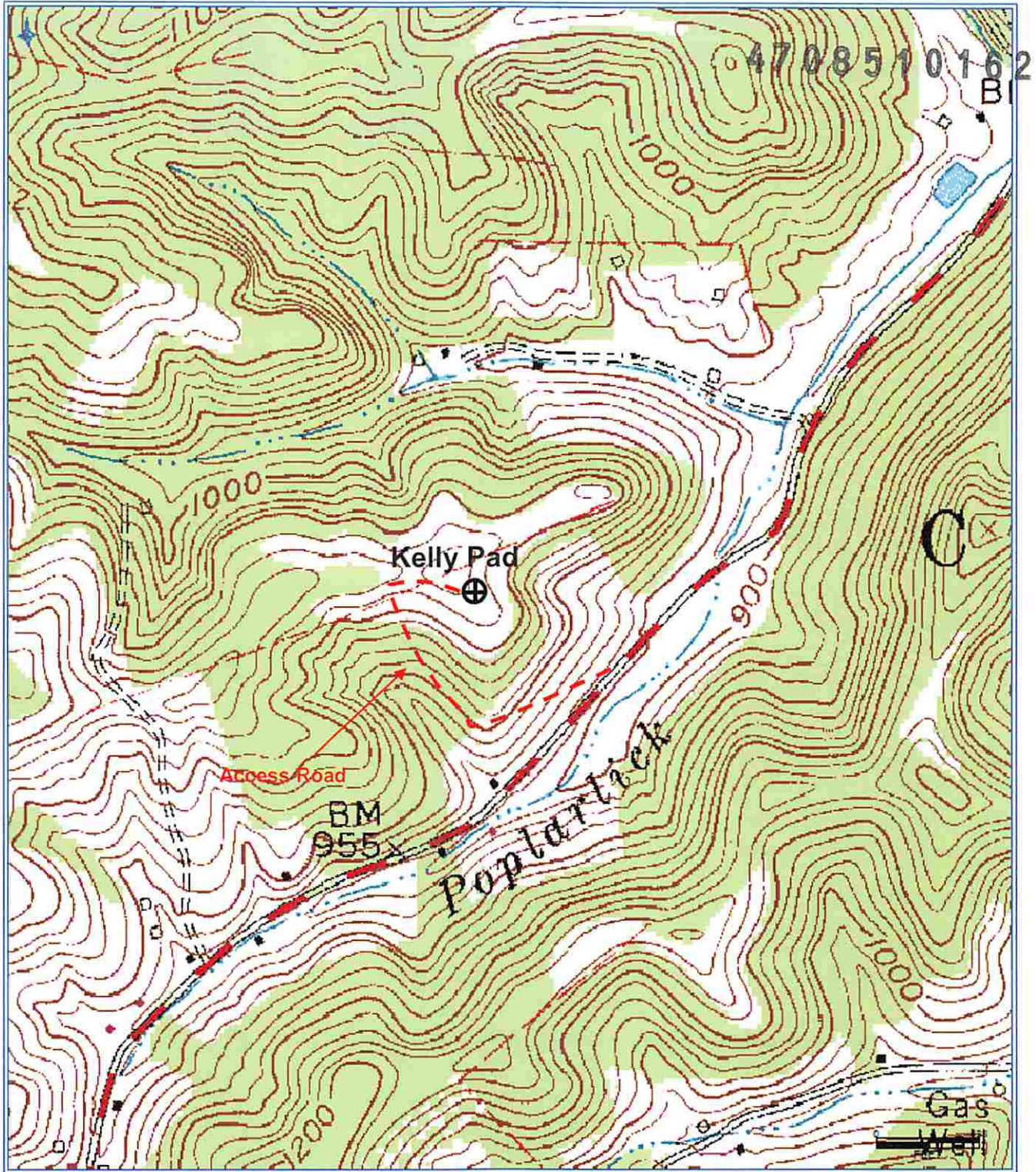
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,600' TVD 14,600' MD

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

12/05/2014



Antero Resources Corporation

Appalachian Basin

Duchene Unit 3H

Ritchie County

Quadrangle: Pennsboro

Watershed: South Fork Hughes River

District: Clay

Date: 8-27-14

RECEIVED
Office of Oil and Gas
SEP 08 2014
WV Department of
Environmental Protection