

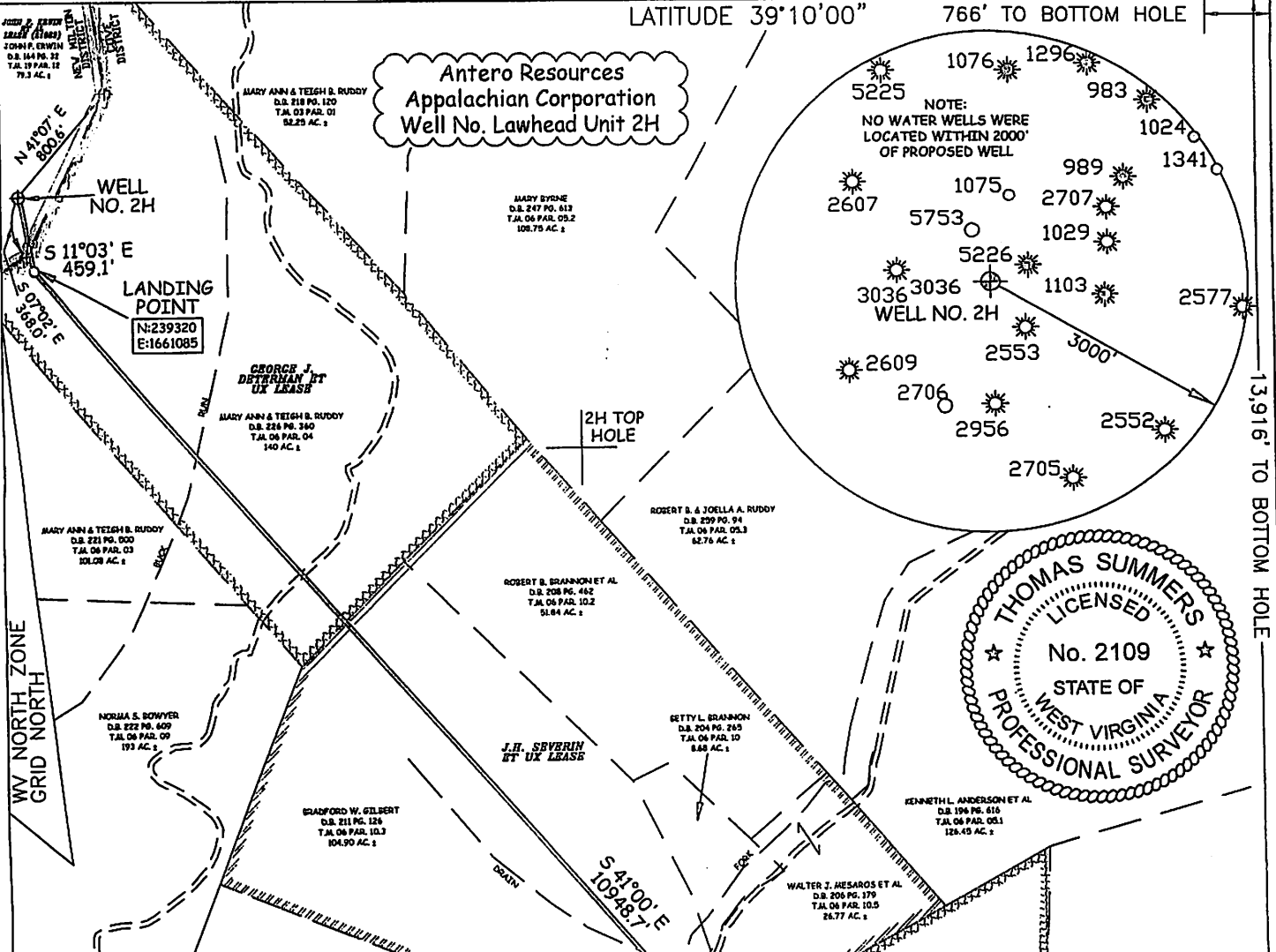
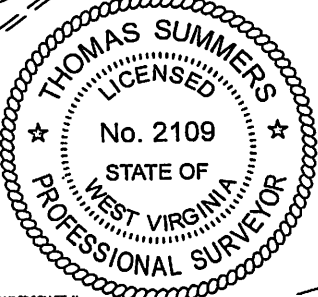
LATITUDE 39°10'00" 8,151'

LATITUDE 39°10'00" 766' TO BOTTOM HOLE

5,299'  
13,916' TO BOTTOM HOLE  
LONGITUDE 80°40'00"

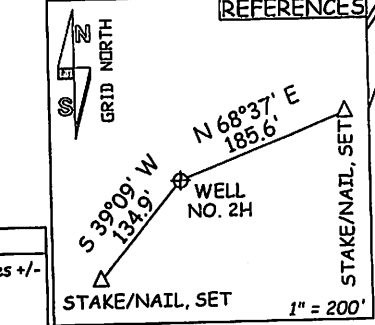
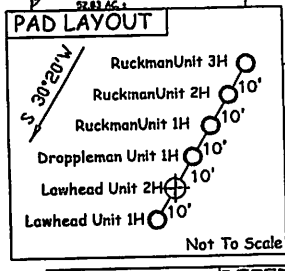
Antero Resources  
Appalachian Corporation  
Well No. Lawhead Unit 2H

NOTE:  
NO WATER WELLS WERE  
LOCATED WITHIN 2000'  
OF PROPOSED WELL



NOTES:  
WELL 2H TOP HOLE INFORMATION:  
N: 239,771ft E: 1,660,997ft  
LAT: 39°09'07.63" LON: 80°41'43.45"  
BOTTOM HOLE INFORMATION:  
N: 231,057ft E: 1,668,268ft  
LAT: 39°07'42.45" LON: 80°40'09.72"  
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 2H TOP HOLE INFORMATION:  
N: 4,333,712m E: 526,334m  
BOTTOM HOLE INFORMATION:  
N: 4,331,094m E: 528,594m



LEGEND  
--- Surface Owner Boundary Lines +/-  
--- Interior Surface Tracts +/-  
X Existing Fence  
Iron Rod, Found

JOB # 12-092WA  
DRAWING # LAWHEAD2H  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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 REGULATIONS ISSUED AND PERSERIBED 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

THOMAS SUMMERS P.S. 2109  
DATE 09/11/12  
OPERATOR'S WELL# LAWHEAD UNIT 2H  
API WELL # 47-017-6149 HGL

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
(IF "GAS") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
LOCATION: ELEVATION 1,250' WATERSHED TRIBUTARY OF TOMS FORK  
QUADRANGLE NEW MILTON 7.5' DISTRICT NEW MILTON COUNTY DODDRIDGE  
SURFACE OWNER JOHN F. ERWIN ACREAGE 79.3 ACRES +/-  
OIL & GAS ROYALTY OWNER JOHN F. ERWIN ET AL (21889); GEORGE J. DETERMAN ET UX; LEASE ACREAGE 79.3 ACRES +/-; 140 ACRES +/-  
J.H. SEVERIN ET UX; EMMA DROPPLEMAN ET AL; C.E. LAWHEAD ET AL 274 ACRES +/-; 106 ACRES +/-; 224 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) PLUG & ABANDON CLEAN OUT & REPLUG  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,300' TVD 18,900' MD  
WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
DENVER, CO 80202 CHARLESTON, WV 25313

12/14/2012





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Antero Resources Corporation

APPALACHIAN BASIN

Lawhead Unit 2H  
Doddridge County



REMARKS  
 QUADRANGLE: NEW MILTON  
 WATERSHED: TRIB. OF TOMS FORK  
 DISTRICT: NEW MILTON

Date: 9/12/2012