

LATITUDE 39°17'30"

4,407'

7,708' TO BOTTOM HOLE

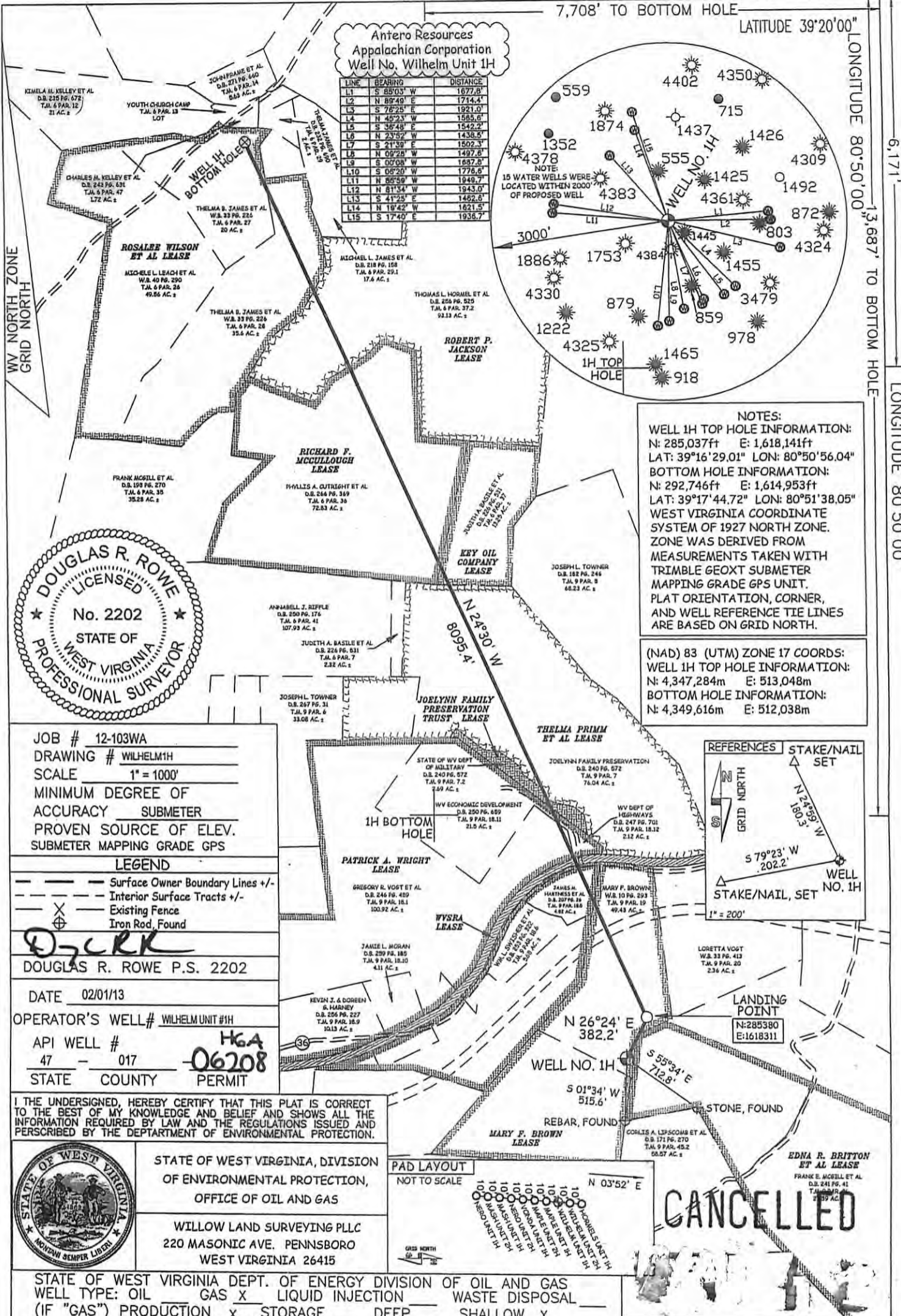
LATITUDE 39°20'00"

LONGITUDE 80°50'00"

6,171'

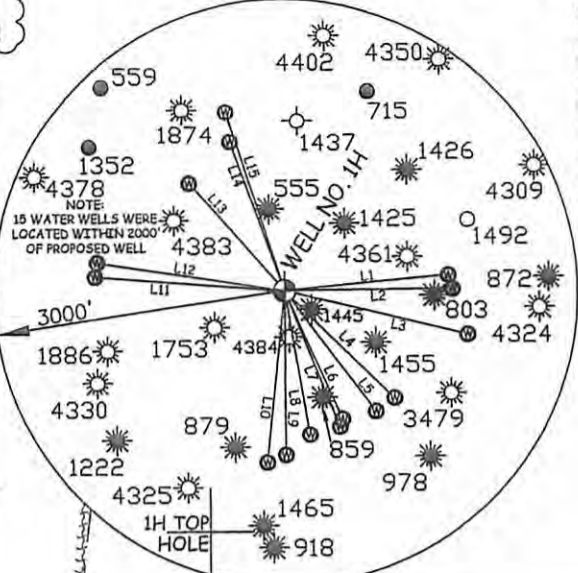
13,687' TO BOTTOM HOLE

LONGITUDE 80°50'00"



Antero Resources  
Appalachian Corporation  
Well No. Wilhelm Unit 1H

LINE	BEARING	DISTANCE
L1	S 85°03' W	1677.8'
L2	N 89°40' E	1714.4'
L3	S 78°25' E	1921.0'
L4	N 45°23' W	1585.6'
L5	S 36°48' E	1542.2'
L6	N 23°52' W	1438.6'
L7	S 21°39' E	1502.3'
L8	N 09°28' W	1497.8'
L9	S 07°08' W	1692.5'
L10	S 05°26' W	1778.5'
L11	N 85°39' W	1948.7'
L12	N 81°34' W	1943.0'
L13	S 41°23' E	1462.8'
L14	N 18°42' W	1621.5'
L15	S 17°40' E	1936.7'



NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 285,037ft E: 1,618,141ft  
LAT: 39°16'29.01" LON: 80°50'56.04"  
BOTTOM HOLE INFORMATION:  
N: 292,746ft E: 1,614,953ft  
LAT: 39°17'44.72" LON: 80°51'38.05"  
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 1H TOP HOLE INFORMATION:  
N: 4,347,284m E: 513,048m  
BOTTOM HOLE INFORMATION:  
N: 4,349,616m E: 512,038m



JOB # 12-103WA  
DRAWING # WILHELM1H  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

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

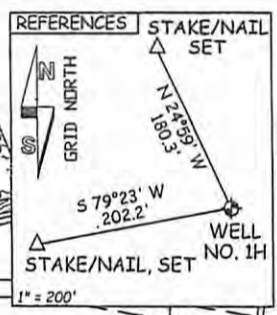
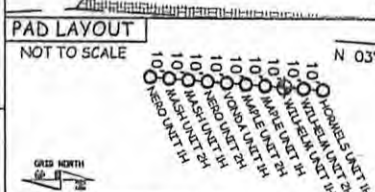
DOUGLAS R. ROWE P.S. 2202

DATE 02/01/13  
OPERATOR'S WELL# WILHELM UNIT #1H  
API WELL # 47-017-06208  
STATE COUNTY PERMIT

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 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



**CANCELLED**

STATE OF WEST VIRGINIA DEPT. OF ENERGY DIVISION OF OIL AND GAS  
WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION  STORAGE DEEP SHALLOW   
LOCATION: ELEVATION 1,164' WATERSHED TRIBUTARY OF WILHELM RUN  
QUADRANGLE WEST UNION 7.5' DISTRICT CENTRAL COUNTY DODDRIDGE  
SURFACE OWNER MARY F. BROWN ACREAGE 49.43 ACRES +/-  
OIL & GAS ROYALTY OWNER MARY F. BROWN; EDNA R. BRITTON ET AL; PATRICK A. WRIGHT; WVSRA; LEASE ACREAGE 55.65 AC±; 222 AC±; 301.19 AC±; 95 AC±;  
JOELYNN FAMILY PRESERVATION TRUST; THELMA PRIMM ET AL; KEY OIL COMPANY; RICHARD F. MCCULLOUGH; ROBERT P. JACKSON; ROSALEE WILSON ET AL 2.69 AC±; 76.04 AC±; 17 AC±; 72.83 AC±; 94 AC±; 22 AC±; 100 AC±  
PROPOSED WORK: DRILL  CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE   
PLUG OFF OLD FORMATION PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY)  
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,000' TVD 15,500' MD  
WELL OPERATOR ANTERO RESOURCES APPALACHIAN CORP. DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1625 17TH STREET ADDRESS CT CORPORATION SYSTEM  
5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25319

06/27/2014