

LATITUDE 39°20'00"

3,860'

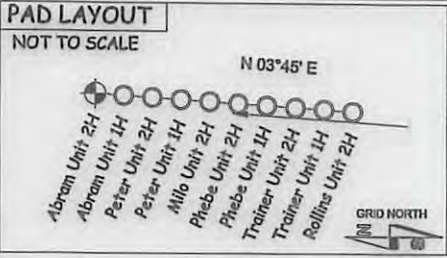
4,630' TO BOTTOM HOLE  
LATITUDE 39°22'30"

LONGITUDE 80°40'00"  
LONGITUDE 80°40'00"  
2,527'  
LONGITUDE 80°40'00"  
9,454' TO BOTTOM HOLE

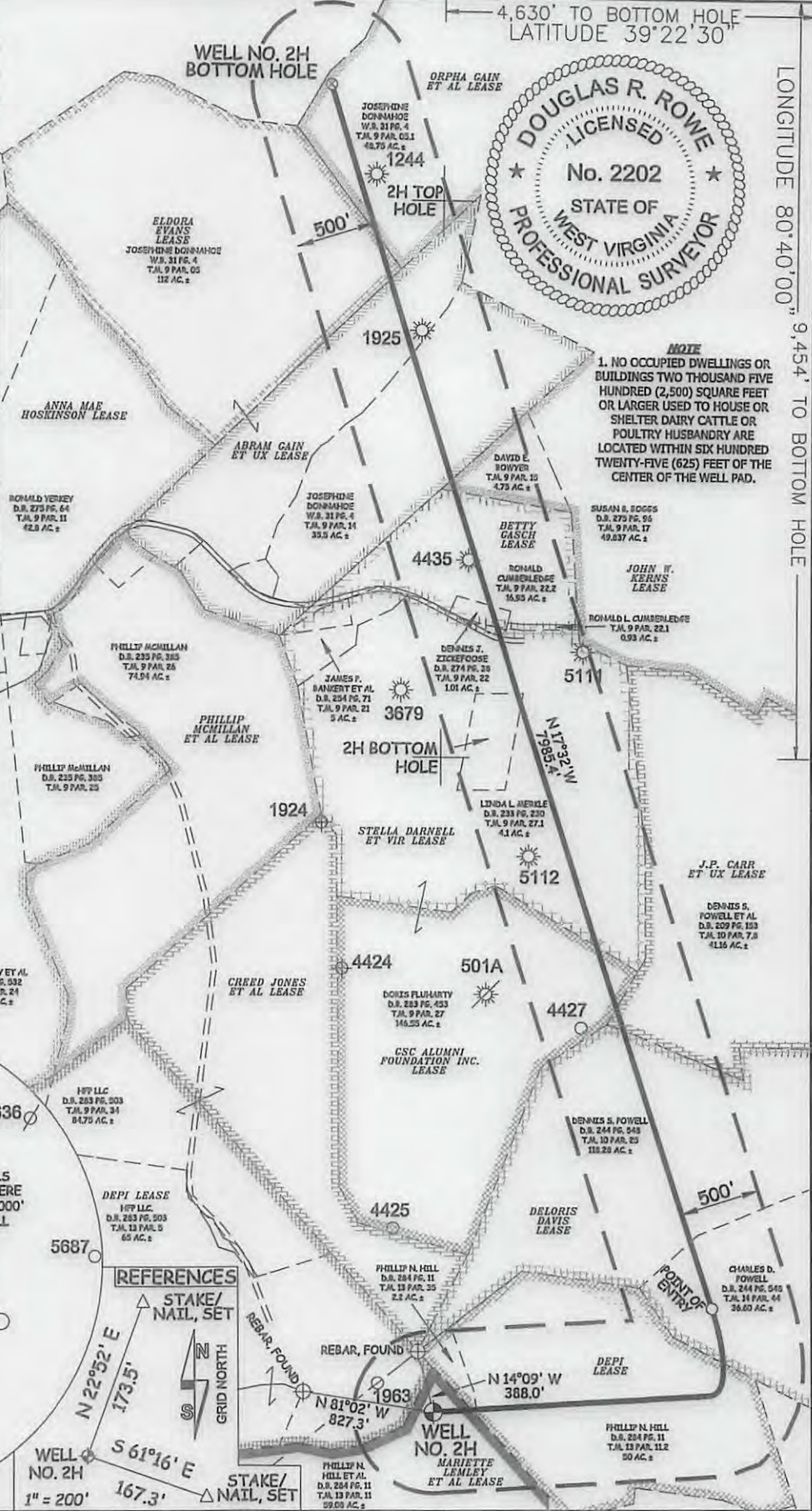
Antero Resources Corporation  
Well No. Abram Unit 2H

NOTES:  
WELL 2H TOP HOLE INFORMATION:  
N: 303,184ft E: 1,666,110ft  
LAT: 39°19'35.03" LON: 80°40'49.12"  
BOTTOM HOLE INFORMATION:  
N: 311,442ft E: 1,665,448ft  
LAT: 39°20'56.56" LON: 80°40'58.93"  
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: 4,353,056m E: 527,570m  
BOTTOM HOLE INFORMATION:  
N: 4,355,569m E: 527,326m



(NAD) 27 (UTM) ZONE 17 COORDS:  
WELL 2H TOP HOLE INFORMATION:  
N: 14,280,937ft E: 1,730,821ft  
POINT OF ENTRY INFORMATION:  
N: 14,281,609ft E: 1,732,554ft  
BOTTOM HOLE INFORMATION:  
N: 14,289,180ft E: 1,730,022ft



REFERENCES  
STAKE/ NAIL, SET  
REBAR, FOUND  
REBAR, FOUND

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

JOB # 17-030WA  
DRAWING # ABRAM2H  
SCALE 1" = 1000'  
MINIMUM DEGREE OF ACCURACY SUBMETER  
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

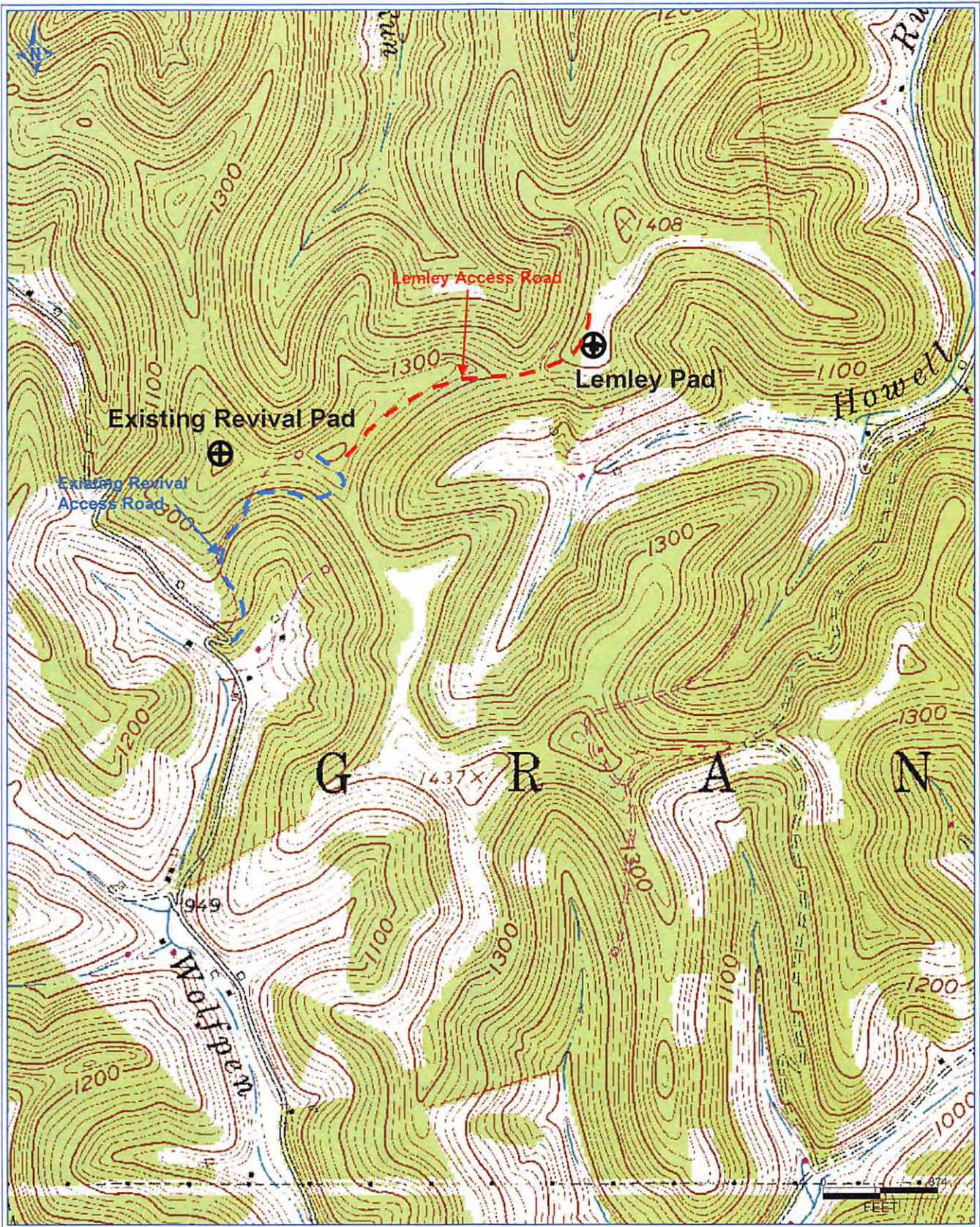


STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

DOUGLAS R. ROWE P.S. 2202  
DATE 8/9/17  
OPERATOR'S WELL# ABRAM UNIT #2H

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 1,304' AS BUILT - 1,324' ORIGINAL WATERSHED MCELROY CREEK  
QUADRANGLE SMITHBURG 7.5' DISTRICT GRANT COUNTY DODDRIDGE  
SURFACE OWNER PHILLIP N. HILL ET AL ACREAGE 59.08 ACRES +/-  
OIL & GAS ROYALTY OWNER MARIETTE LEMLEY ET AL; DEPI; DELORIS DAVIS; J.P. CARR ET UX; LEASE ACREAGE 66.87 AC±; 50 AC±; 158.4 AC±; 273 AC±  
GSC ALUMNI FOUNDATION INC.; STELLA DARNELL ET VIR; BETTY GASCH; JOHN KERNS; ABRAM GAIN ET UX; ELDORA EVANS; ORPHA GAIN ET AL 61.4 AC±; 112 AC±; 19.4 AC±; 71 AC±; 85 AC±; 74AC±; 48.75 AC±  
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 7,400' TVD 16,300' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
ADDRESS 1615 WYNKOOP STREET ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

COUNTY PERMIT  
10/06/2017



**Antero Resources Corporation**

Appalachian Basin

Abram Unit 2H

Doddridge County

Quadrangle: Smithburg 7.5'

Watershed: McElroy Creek

District: Grant

Date: 8-04-2014

RECEIVED  
Office of Oil and Gas

AUG 21 2017

WV Department of  
Environmental Protection

047-017-06865

10/06/2017