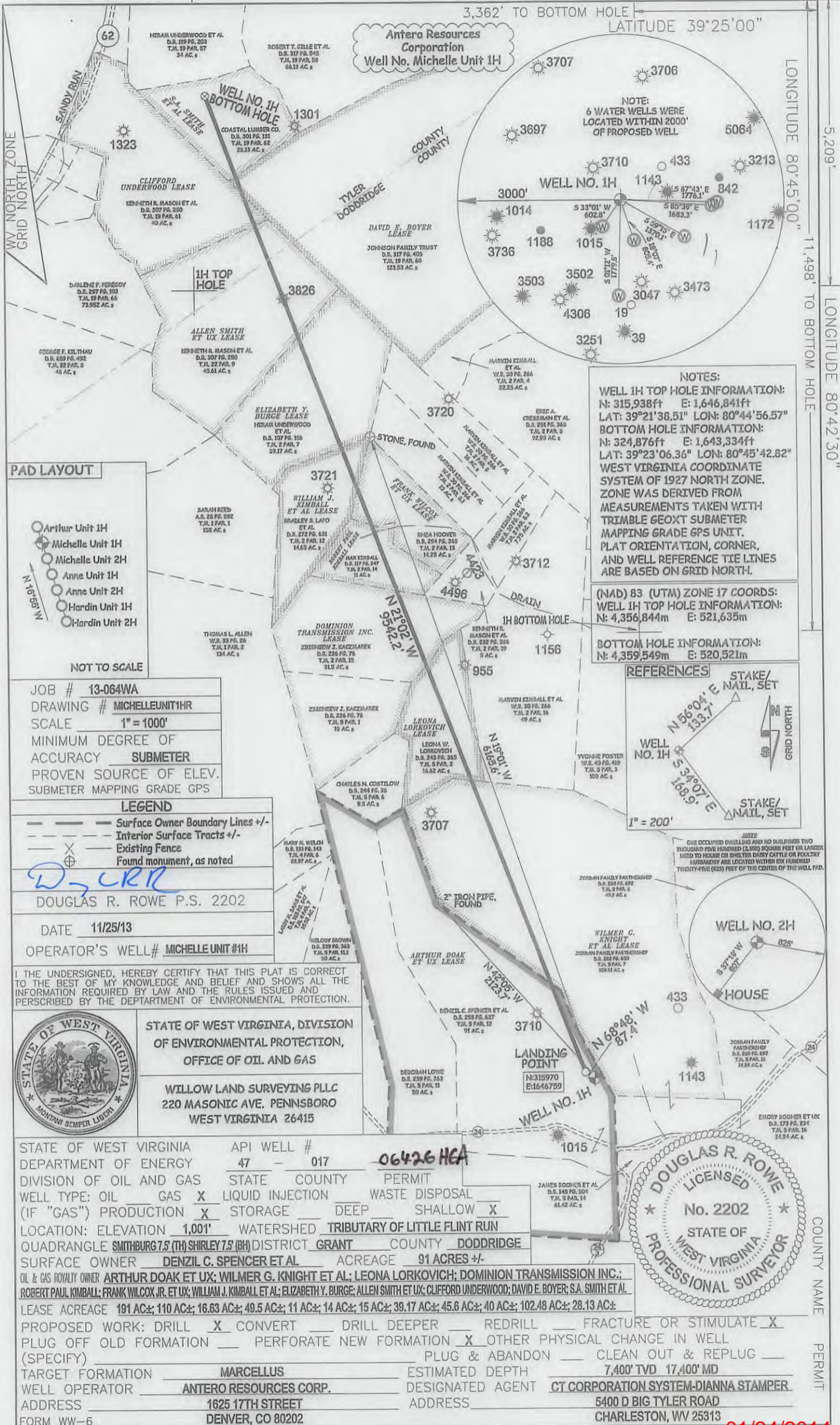


LATITUDE 39°22'30"

11,512'

3,362' TO BOTTOM HOLE

LATITUDE 39°25'00"



5,209'

11,498' TO BOTTOM HOLE

LONGITUDE 80°42'30"

COUNTY NAME

PERMIT

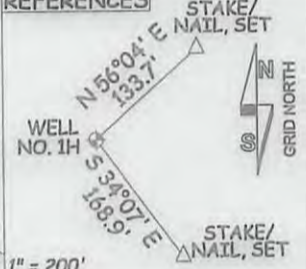
**Antero Resources Corporation**  
Well No. Michelle Unit 1H

NOTE:  
6 WATER WELLS WERE  
LOCATED WITHIN 2000'  
OF PROPOSED WELL

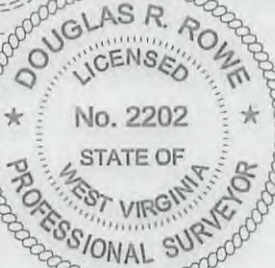
NOTES:  
WELL 1H TOP HOLE INFORMATION:  
N: 315,938ft E: 1,646,841ft  
LAT: 39°21'38.51" LON: 80°44'56.57"  
BOTTOM HOLE INFORMATION:  
N: 324,876ft E: 1,643,334ft  
LAT: 39°23'06.36" LON: 80°45'42.82"  
WEST VIRGINIA COORDINATE  
SYSTEM OF 1927 NORTH ZONE.  
ZONE WAS DERIVED FROM  
MEASUREMENTS TAKEN 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: 4,356,844m E: 521,635m

BOTTOM HOLE INFORMATION:  
N: 4,359,549m E: 520,521m



NOTE:  
ONE OCCUPIED DWELLING AND NO BUILDINGS TWO  
THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER  
USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY  
IMMEDIATELY ARE LOCATED WITHIN SIX HUNDRED  
TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.



**PAD LAYOUT**



NOT TO SCALE

JOB # 13-064WA  
DRAWING # MICHELLEUNIT1HR  
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

*D. R. ROWE*  
DOUGLAS R. ROWE P.S. 2202  
DATE 11/25/13  
OPERATOR'S WELL# MICHELLE UNIT #1H

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.



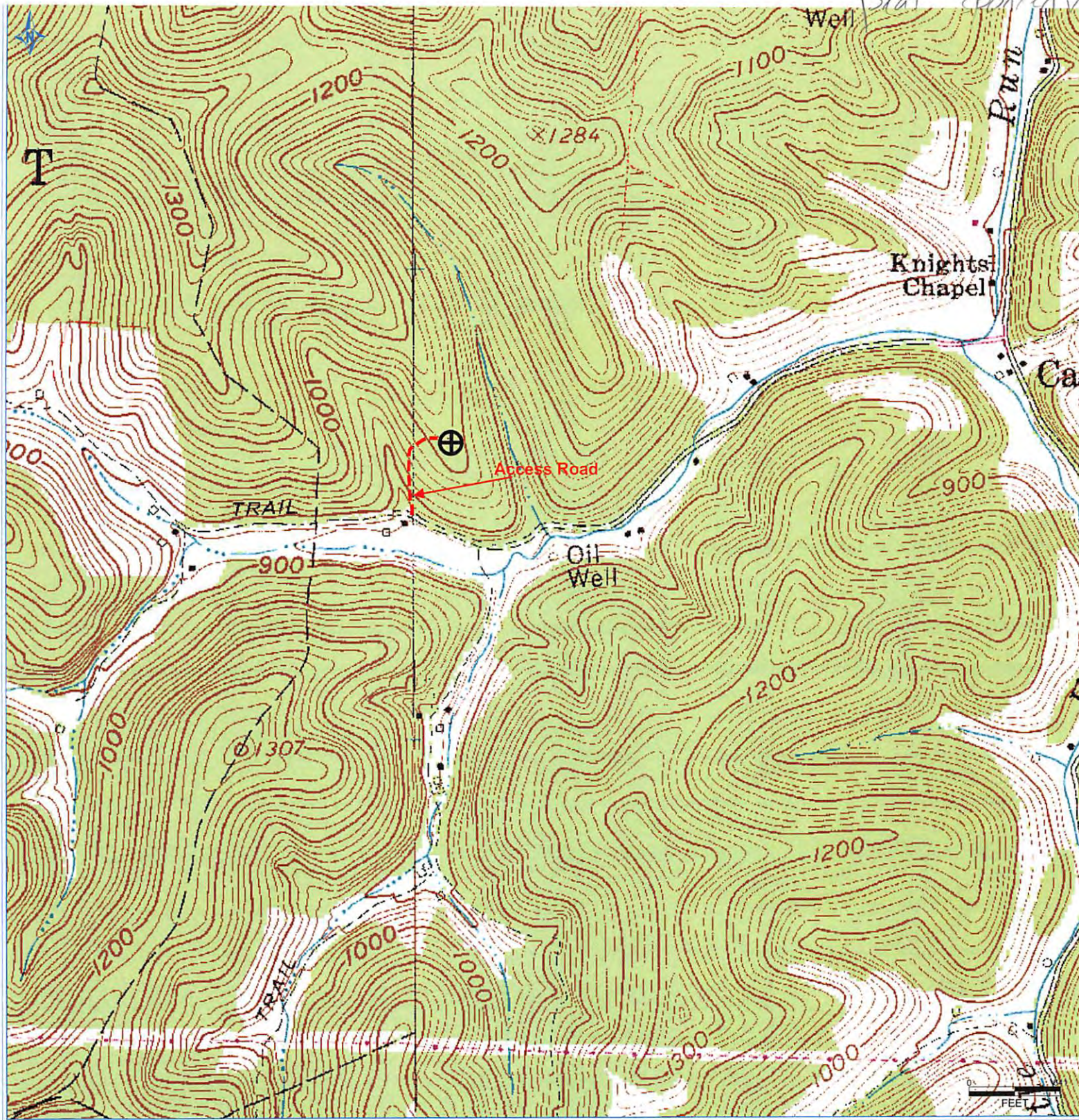
STATE OF WEST VIRGINIA, DIVISION  
OF ENVIRONMENTAL PROTECTION,  
OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
220 MASONIC AVE. PENNSBORO  
WEST VIRGINIA 26415

STATE OF WEST VIRGINIA API WELL # 06426 HEA  
DEPARTMENT OF ENERGY 47 - 017  
DIVISION OF OIL AND GAS STATE COUNTY PERMIT  
WELL TYPE: OIL GAS  LIQUID INJECTION WASTE DISPOSAL  
(IF "GAS") PRODUCTION  STORAGE DEEP SHALLOW   
LOCATION: ELEVATION 1,001' WATERSHED TRIBUTARY OF LITTLE FLINT RUN  
QUADRANGLE SMITHBURG 7.5 (TH) SHIRLEY 7.5 (BH) DISTRICT GRANT COUNTY DODDRIDGE  
SURFACE OWNER DENZIL C. SPENCER ET AL ACREAGE 91 ACRES +/-  
OIL & GAS ROYALTY OWNER ARTHUR DOAK ET UX; WILMER G. KNIGHT ET AL; LEONA LORKOVICH; DOMINION TRANSMISSION INC.;  
ROBERT PAUL KIMBALL; FRANK WILCOX JR. ET UX; WILLIAM J. KIMBALL ET AL; ELIZABETH Y. BURGE; ALLEN SMITH ET UX; CLIFFORD UNDERWOOD; DAVID E. BOYER; S.A. SMITH ET AL

LEASE ACREAGE 191 AC±; 110 AC±; 16.63 AC±; 49.5 AC±; 11 AC±; 14 AC±; 15 AC±; 39.17 AC±; 45.6 AC±; 40 AC±; 102.48 AC±; 28.13 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 7,400' TVD 17,400' MD  
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CT CORPORATION SYSTEM-DIANNA STAMPER  
ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
FORM WW-6 DENVER, CO 80202 CHARLESTON, WV 25313

01/24/2014



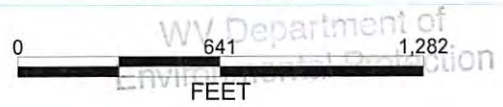
PETRA 6/25/2013 9:47:16 AM

47 17 00 64 26

Antero Resources Corporation

RECEIVED  
 Oil and Gas  
 Michelle Unit 1H

Misery Pad  
 DEC 9 2013  
 Doddridge County



REMARKS  
 QUADRANGLE: Smithburg  
 WATERSHED: Tributary of Little Flint Run  
 DISTRICT: Grant