

LATITUDE 39°22'30" — 2,072'

3,929' TO BOTTOM HOLE  
LATITUDE 39°25'00"

LONGITUDE 80°55'00" — 9,205' TO BOTTOM HOLE  
LONGITUDE 80°55'00"

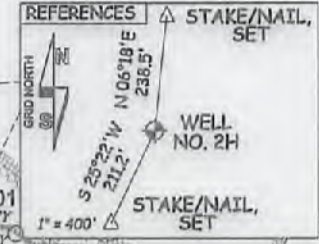
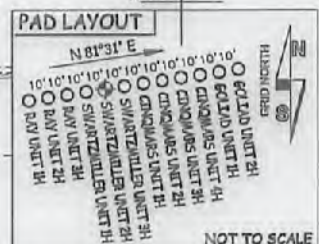
Antero Resources Corporation  
Well No. Swartzmiller Unit 2H

**NOTES:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 320,634ft E: 1,597,442ft  
 LAT: 39°22'17.65" LON: 80°55'26.39"  
**BOTTOM HOLE INFORMATION:**  
 N: 327,883ft E: 1,595,699ft  
 LAT: 39°23'29.02" LON: 80°55'50.05"  
 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 2H TOP HOLE INFORMATION:**  
 N: 4,358,023m E: 505,561m  
**BOTTOM HOLE INFORMATION:**  
 N: 4,360,223m E: 505,993m

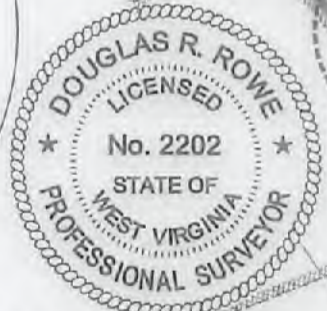
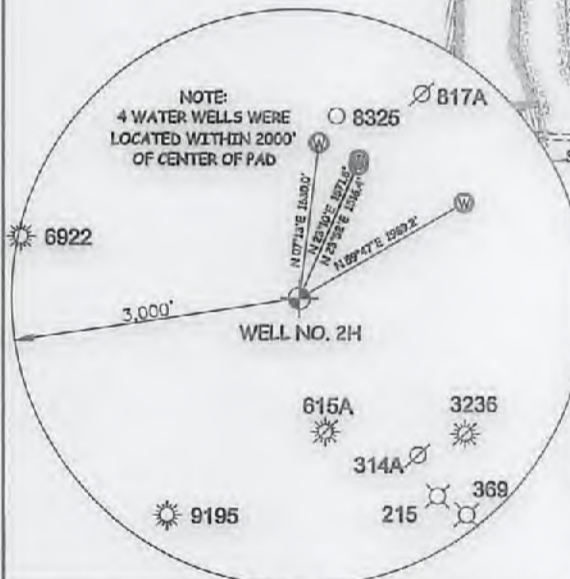
**(NAD) 27 (UTM) ZONE 17 COORDS:**  
**WELL 2H TOP HOLE INFORMATION:**  
 N: 14,297,233ft E: 1,661,896ft  
**POINT OF ENTRY INFORMATION:**  
 N: 14,297,514ft E: 1,662,534ft  
**BOTTOM HOLE INFORMATION:**  
 N: 14,304,450ft E: 1,660,033ft

WV NORTH ZONE  
GRID NORTH



Clay District - Ritchie County

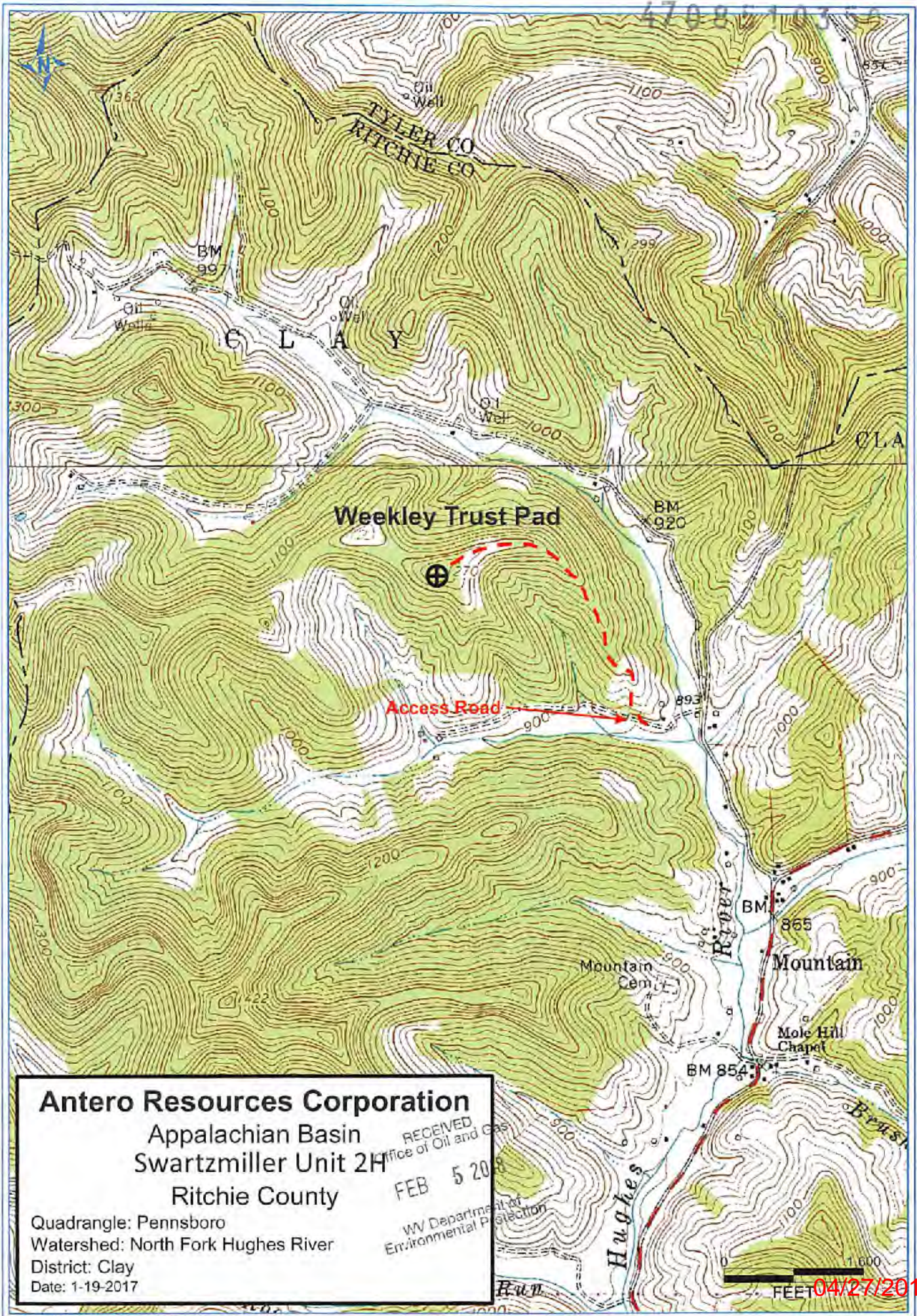
PAR.	SURFACE OWNER	OIL & GAS ROYALTY OWNER
1-08	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-09	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-11	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-12	CLIFF PERKINS ET AL	LAURA ULAM
1-13	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-14	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-15	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-16	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-17	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-18	CLIFF PERKINS ET AL	CLIFF WM. PERKINS ET UX
1-19	MICHAEL DER	GARY MICHAEL DER ET UX
1-20	TONY PERKINS ET AL	TONY ADRIAN PERKINS
3-03	BRIAN JONES	BRIAN KEITH JONES
3-04	BRIAN JONES	BRIAN KEITH JONES
3-05	DENNY COWGER	DENNY COWGER ET UX
3-06	CLIFF PERKINS ET AL	TONY ADRIAN PERKINS



JOB # 17-044WA	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.	<b>LEGEND</b> - - - - - Surface Owner Boundary Lines +/- - - - - - Interior Surface Tracts +/- ⊕ Existing Fence ⊕ Found monument, as noted DOUGLAS R. ROWE P.S. 2202 DATE 01/25/18 OPERATOR'S WELL # SWARTZMILLER UNIT #2H
DRAWING # SWARTZMILLER2H		
SCALE 1" = 2000'	STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415	COUNTY NAME PERMIT 47 - 085 - 10350 STATE COUNTY PERMIT QUADRANGLE PENNSBORO 7.5' - TH MIDDLEBOURNE 7.5' - BH DISTRICT CLAY COUNTY RITCHIE SURFACE OWNER DAVID L. WEEKLEY REVOCABLE TRUST ACREAGE 203.38 ACRES +/- OIL & GAS ROYALTY OWNER DAVID L. WEEKLEY REVOCABLE TRUST; CLIFF WM. PERKINS ET UX; LEASE ACREAGE 229 AC +/-; 16.35 AC +/-; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; LAURA ULAM; 17 AC +/-; 18.5 AC +/-; 16.5 AC +/-; CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; ROBERT A. DAVIS ET UX 16 AC +/-; 75.08 AC +/-; 284.33 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 6,800' TVD 15,200' MD WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD DENVER, CO 80202 CHARLESTON, WV 25313
MINIMUM DEGREE OF ACCURACY SUBMETER		
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS	STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS	DATE 01/25/18
WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL	(IF "GAS") PRODUCTION X STORAGE DEEP SHALLOW X	OPERATOR'S WELL # SWARTZMILLER UNIT #2H
LOCATION: ELEVATION 1,265' - ORIGINAL 1,235' PROPOSED	WATERSHED NORTH FORK HUGHES RIVER	DATE 01/25/18
QUADRANGLE PENNSBORO 7.5' - TH MIDDLEBOURNE 7.5' - BH	DISTRICT CLAY COUNTY RITCHIE	OPERATOR'S WELL # SWARTZMILLER UNIT #2H
SURFACE OWNER DAVID L. WEEKLEY REVOCABLE TRUST	ACREAGE 203.38 ACRES +/-	DATE 01/25/18
OIL & GAS ROYALTY OWNER DAVID L. WEEKLEY REVOCABLE TRUST; CLIFF WM. PERKINS ET UX;	LEASE ACREAGE 229 AC +/-; 16.35 AC +/-;	OPERATOR'S WELL # SWARTZMILLER UNIT #2H
CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; LAURA ULAM;	17 AC +/-; 18.5 AC +/-; 16.5 AC +/-;	DATE 01/25/18
CLIFF WM. PERKINS ET UX; CLIFF WM. PERKINS ET UX; ROBERT A. DAVIS ET UX	16 AC +/-; 75.08 AC +/-; 284.33 AC +/-	OPERATOR'S WELL # SWARTZMILLER UNIT #2H
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	DATE 01/25/18
(SPECIFY) PLUG & ABANDON CLEAN OUT & REPLUG	TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,800' TVD 15,200' MD	OPERATOR'S WELL # SWARTZMILLER UNIT #2H
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER - CT CORPORATION SYSTEM	ADDRESS 1615 WYNKOOP ST. ADDRESS 5400 D BIG TYLER ROAD	DATE 01/25/18
DENVER, CO 80202 CHARLESTON, WV 25313		OPERATOR'S WELL # SWARTZMILLER UNIT #2H

04/27/2018

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**Antero Resources Corporation**  
 Appalachian Basin  
 Swartzmiller Unit 2H  
 Ritchie County

RECEIVED  
 Office of Oil and Gas  
 FEB 5 2018  
 WV Department of Environmental Protection

Quadrangle: Pennsboro  
 Watershed: North Fork Hughes River  
 District: Clay  
 Date: 1-19-2017

0 1,600 FEET 04/27/2018