

LATITUDE 39°22'30"

2,665'

11,030' TO BOTTOM HOLE
LATITUDE 39°20'00"

4,589' TO BOTTOM HOLE

LONGITUDE 80°50'00"

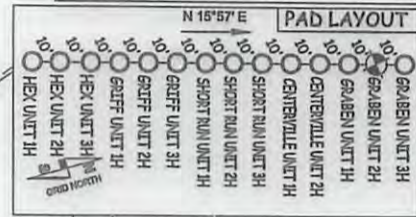
13.242'

LONGITUDE 80°52'30"

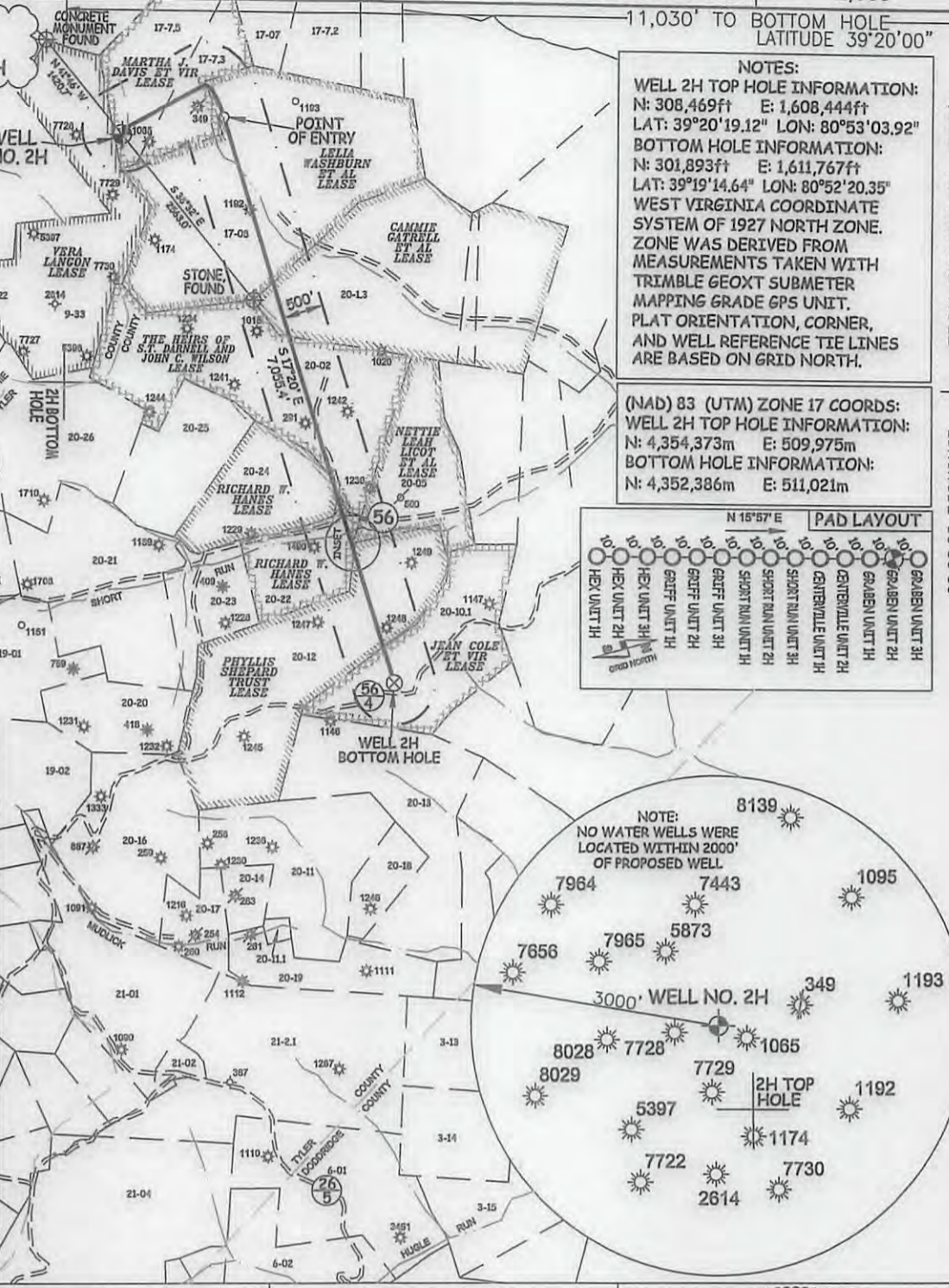
Antero Resources Corporation
Well No. Graben Unit 2H

NOTES:
WELL 2H TOP HOLE INFORMATION:
N: 308,469ft E: 1,608,444ft
LAT: 39°20'19.12" LON: 80°53'03.92"
BOTTOM HOLE INFORMATION:
N: 301,893ft E: 1,611,767ft
LAT: 39°19'14.64" LON: 80°52'20.35"
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: 4,354,373m E: 509,975m
BOTTOM HOLE INFORMATION:
N: 4,352,386m E: 511,021m



Clay District - Ritchie County		
9-28	Robert Lumsmyer	312/911 129.32 AC
9-32	WVA Orion Youth Camp	178/198 87.75 AC
9-32-2	WVA Orion Youth Camp	178/198 87.75 AC
9-33	William Hart	313/273 98.79 AC
15-03	Karl Hildeman	238/808 114.19 AC
15-31	WVA Orion Youth Camp	178/198 20 AC
15-11	Ronald Bradley Et Al	346/664 31 AC
Cantonsville District - Tyler County		
17-07	Roger Scott	89/223 20 AC
17-72	Roger Scott	207/043 50 AC
17-73	Roger Scott	211/621 30.88 AC
17-74	Randall Bond	174/198 30.25 AC
17-05	Eleanor Fowler	279/079 146 AC
19-01	Edwin Mubey	W810/62 41 AC
19-02	James Ash Et Al	41.6 AC
20-13	Edward Gatrell	W824/351 93.75 AC
20-02	Richard Feley	260/372 113 AC
20-05	Nettie Liot	348/334 65.1 AC
20-101	Eugene Walton	266/197 77.5 AC
20-11	Archie Andrews	313/832 61.85 AC
20-113	Robert Dool	333/837 2 AC
20-12	Phyllis Sheppard	284/427 86.25 AC
20-13	Robert Dool	100 AC
20-14	Nellie McCullough	368/517 9.93 AC
20-16	Anita Kern	122/397 59.25 AC
20-17	Nellie McCullough	368/517 18 AC
20-18	Ronald Williams	229/265 15 AC
20-19	William Stonebreaker	356/908 29.31 AC
20-20	Edward Garner	280/692 30.56 AC
20-21	Edward Garner	251/445 84.42 AC
20-22	Thadford Holden Trust	321/715 30.55 AC
20-23	Thadford Holden Trust	321/715 30 AC
20-24	Thadford Holden Trust	321/715 39.62 AC
20-25	Coastal Forest Resources Co	301/131 41 AC
20-26	Edward Garner	280/692 62.5 AC
21-01	Gary McCullough	299/561 92.42 AC
21-02	Earnest McCullough	368/669 4.8 AC
21-21	Arthur Colman	214/359 100.94 AC
21-04	Hennett Land & Minerals LLC	532/838 138.16 AC
Central District - Beddies County		
3-18	Jeffrey James	348/712 35 AC
3-14	Jeff James	215/483 35 AC
3-15	Jeffrey James	329/630 209.85 AC
6-01	William Cottrill	293/479 69.25 AC
6-02	Edward Rice	161/657 69.13 AC



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.

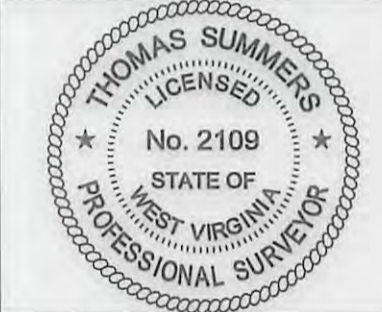


STATE OF WEST VIRGINIA, DIVISION
OF ENVIRONMENTAL PROTECTION,
OFFICE OF OIL AND GAS

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

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 14,285,258ft E: 1,673,095ft
POINT OF ENTRY INFORMATION:
N: 14,285,437ft E: 1,674,314ft
BOTTOM HOLE INFORMATION:
N: 14,278,740ft E: 1,676,526ft

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



JOB # 17-010WA
DRAWING # GRABEN2H
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

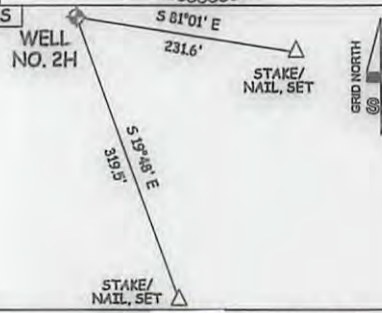
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
DIVISION OF OIL AND GAS

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

THOMAS SUMMERS P.S. 2109

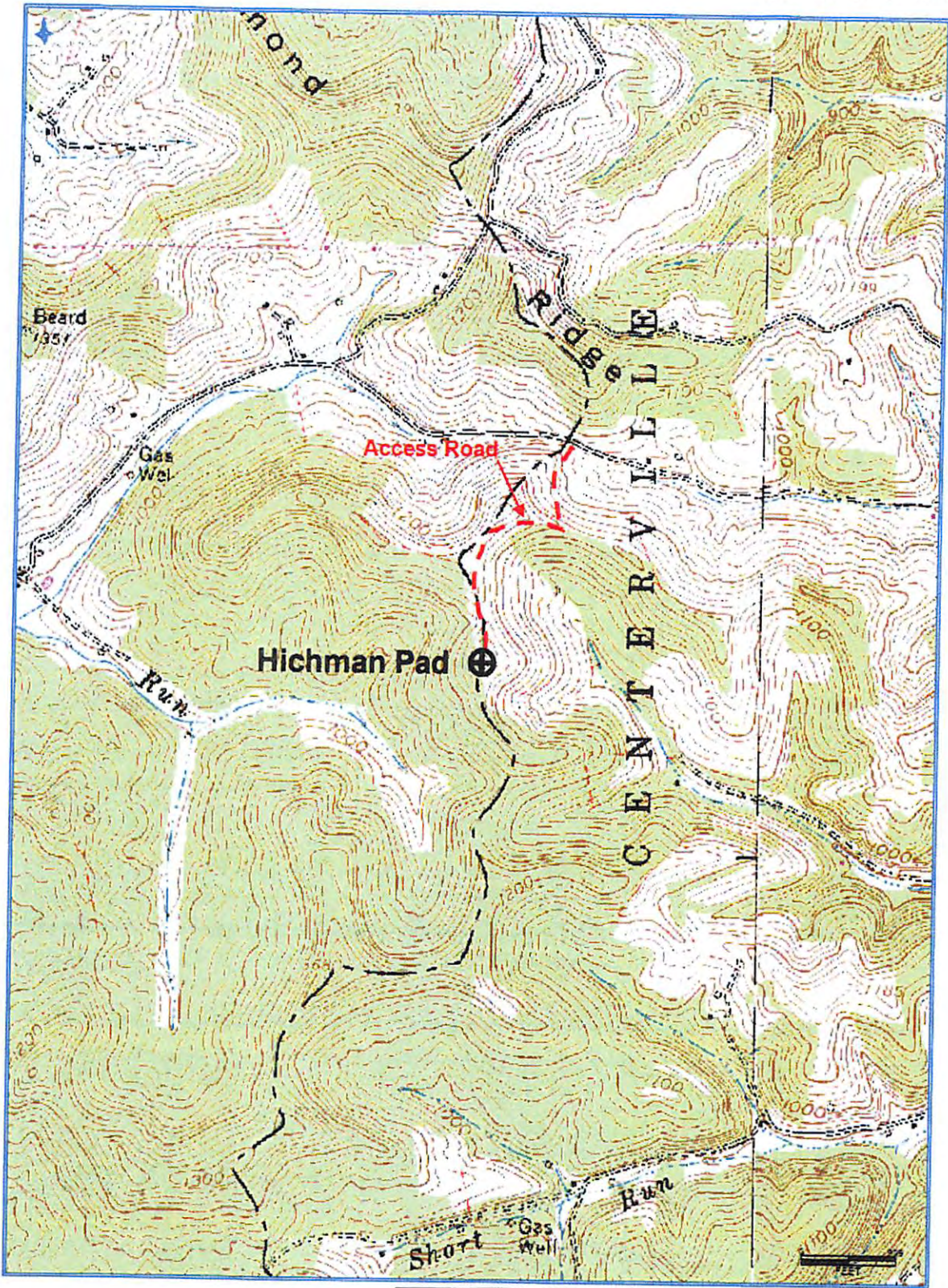
DATE 09/26/17

OPERATOR'S WELL# GRABEN UNIT #2H



WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ 47 - 085 - 10335
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X STATE COUNTY PERMIT
 LOCATION: ELEVATION 1,276' ORIGINAL - 1,250' PROPOSED WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE PENNSBORO 7.5' DISTRICT CLAY COUNTY RITCHIE
 SURFACE OWNER RADALL BOND ET AL ACREAGE 32.16 ACRES +/-
 OIL & GAS ROYALTY OWNER MARTHA J. DAVIS ET VIR; LELIA WASHBURN ET AL; LEASE ACREAGE 70 AC±; 150 AC±;
 CANNIE GATRELL ET AL; THE HEIRS OF S.T. DARNELL AND JOHN C. WILSON; RICHARD W. HANES; 139.75 AC±; 113 AC±; 39.63 AC±;
 RICHARD W. HANES; PHYLLIS SHEPARD TRUST; JEAN COLE ET VIR 30.5 AC±; 86.25 AC±; 77.5 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 7,000' TVD 14,500' 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



Antero Resources Corporation
Appalachian Basin
Graben Unit 2H
Ritchie County
Quadrangle: Pennsboro
Watershed: North Fork Hughes River
District: Clay
Date: 3-14-2017