LATITUDE 39°27'30" — 3,193'

10,932' TO BOTTOM HOLE

LATITUDE 39°25'00"

LONGITUDE 80°55'00"

15,085'

11,509' TO BOTTOM HOLE

LONGITUDE 80°57'30"

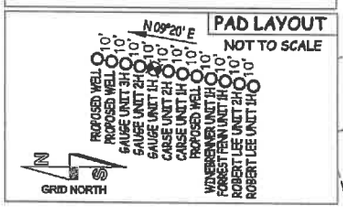
WV NORTH ZONE
GRID NORTH

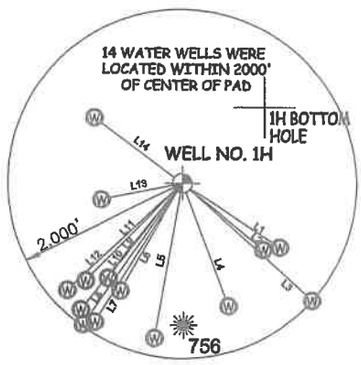
Antero Resources Corporation
Well No. Gauge Unit 1H

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 337,356ft E: 1,584,811ft
LAT: 39°25'00.91" LON: 80°58'10.69"
BOTTOM HOLE INFORMATION:
N: 325,692ft E: 1,588,661ft
LAT: 39°23'06.25" LON: 80°57'19.24"
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: 4,363,053m E: 502,628m
BOTTOM HOLE INFORMATION:
N: 4,359,519m E: 503,860m

PAD LAYOUT
NOT TO SCALE





LINE	BEARING	DISTANCE
L1	S 68°56' E	1337.0'
L2	S 60°49' E	1198.5'
L3	S 48°14' E	1998.3'
L4	S 20°46' E	1496.8'
L5	S 10°14' W	1798.2'
L6	S 25°56' W	1421.0'
L7	S 32°14' W	1878.9'
L8	S 35°06' W	1978.9'
L9	S 37°58' W	1391.3'
L10	S 38°43' W	1859.1'
L11	S 44°37' W	1574.9'
L12	S 46°58' W	1801.2'
L13	S 76°10' W	945.7'
L14	N 53°07' W	1258.7'

8-02	Charles Masser	330/138	103.99 AC
8-2.1	Allen Moore	498/217	1.272 AC
8-2.2	Andrew Westbrook	324/313	1.88 AC
8-2.3	Wesley Smith	398/27	1.81 AC
8-2.4	Daniel Robinson	330/471	98.07 AC
8-2.5	Nancy McGee	347/255	22.29 AC
8-21	Randy Goddard	288/270	44.28 AC
8-24	Carla Wallace	343/658	100 AC
8-31	William Denson	336/626	73 AC
8-32	William Denson	336/626	282.2 AC
8-32.1	Conn. Church of Jesus Christ	349/318	4 AC
8-33	Richard Brightwell	383/659	84.25 AC
8-33.1	Carl Baker	321/333	15 AC
8-34	Joseph Rymer	338/238	44.33 AC
8-35	Charles Masser	365/662	0.28 AC
8-36	Theresa Wells	291/234	18.10 AC
8-37	David Clark	437/399	1.1 AC
8-38	Norman Gray	321/430	68.42 AC
8-39	Jerry Lowther	327/72	19 AC
8-40	Leroy Darnell	260/657	3.05 AC
8-41	Elsie Dunham	355/628	35 AC
8-42	Richard Brisendine	353/369	49.08 AC
8-43	Geldonna Dawson	365/198	0.67 AC
8-44	Jerry Lowther	289/674	25.42 AC
8-45	Rosalea Snyder	376/614	40.81 AC
8-46	Rosalea Snyder	376/614	42.61 AC
8-47	Leroy Darnell	260/657	16.5 AC
8-48	Robert Lemp	344/384	12.15 AC
11-02	Kevin Grim	333/675	35 AC
11-04	Naomi Forrester	275/76	1.82 AC
11-05	Naomi Forrester	285/11	67.57 AC
11-06	Daniel Lemasters	294/151	62 AC
11-07	Paul Karlheinz	285/444	51.99 AC
11-08	Michael Fitzsimmons	318/218	129.86 AC
11-09	Thomas Moore	380/749	175.07 AC
11-10	Thomas Moore	380/749	18.25 AC
11-15	Hunters Inc.	195/182	93.78 AC
11-16	Earl Adelfson	W118/250	84.61 AC
11-17	Terry Snider	349/116	200 AC
11-18	Terry Snider	338/62	20 AC
11-19	Jarrett Shepherd	379/494	83.14 AC
11-20	Terry Snider	349/116	41.89 AC
11-20.1	Terry Snider		8 AC
11-21	Terry Snider	356/317	73.49 AC
11-22	Ronald Hamilton	322/733	62.58 AC
11-23	Ronald Hamilton	345/501	73.08 AC
11-24	Ronald Hamilton	261/206	64 AC
11-24.1	Church		1.5 AC
11-24.2	Douglas Stratton	343/341	17 AC
11-25	Ronald Hamilton	352/524	71.79 AC
11-26	Lester Walda	W112/383	41.06 AC
11-27	Alan Yeater	379/609	32.26 AC
11-28	David Kamer	309/500	8.21 AC
11-32	Jonathan Hall	338/287	150.11 AC
11-33	Jonathan Hall	338/287	25.13 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 DEPTARTMENT 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

RECEIVED
Office of Oil and Gas
AUG 31 2020
WV Department of Environmental Protection

THOMAS SUMMERS LICENSED No. 2109 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

JOB # 17-022WA
DRAWING # GAUGE1HAD
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 +/-
Proposed Well Path
As Drilled Well Path

THOMAS SUMMERS P.S. 2109

DATE 03/09/20

OPERATOR'S WELL# GAUGE UNIT #1H

NOTES
1. 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.
2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY
3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
4. WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3, ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
47 — 095 — 02538
STATE COUNTY PERMIT
LOCATION: ELEVATION 986' - AS BUILT WATERSHED OUTLET MIDDLE ISLAND CREEK
QUADRANGLE MIDDLEBOURNE 7.5' DISTRICT MEADE COUNTY TYLER
SURFACE OWNER JOSEPH R. RYMER JR. ACREAGE 44.33 ACRES +/-
OIL & GAS ROYALTY OWNER HOWARD HARCHA III; FORREST MILLER; KENNETH JONES; CARL JACK WILCOX; ALLEN SMITH; JOELYNN FAMILY PRESERVATION TRUST; JOELYNN FAMILY PRESERVATION TRUST LEASE ACREAGE 44.33 AC.±; 84.88 AC.±; 85.5 AC±; 129.86 AC±; 149.18 AC.±; 41.89 AC.±; 73.49 AC.±
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___
PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED PLUG & ABANDON CLEAN OUT & REPLUG
TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,308' TVD 18,751' 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

COUNTY NAME PERMIT

FORM WW-6