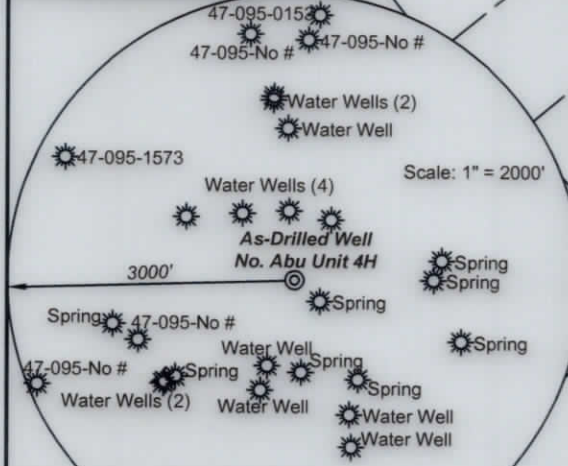


Antero Resources
Well No. Abu Unit 4H
 As-Drilled Plat
 Antero Resources Corporation

Page 1 of 2



Bearing	Dist.	Desc.
L1 S 57°34' E	1,285.2'	Rod/Cap
L2 S 44°08' E	289.7'	3-way FC
L3 N 70°02' W	595.0'	Stone
L4 N 68°04' E	1,831.5'	Ab. Well

- Legend**
- Proposed gas well
 - Found corner, as noted
 - Existing Well, as noted
 - Creek or Drain
 - Existing Road
 - Surface boundary (approx.)
 - Interior surface tracts (approx.)



Notes:
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Abu Unit 4H Top Hole coordinates are
 N: 381,873.33' Latitude: 39°32'24.80"
 E: 1,609,974.38' Longitude: 80°52'58.82"
 Bottom Hole coordinates are
 N: 395,859.68' Latitude: 39°34'42.29"
 E: 1,605,175.34' Longitude: 80°54'02.86"
UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,376,743.682m N: 4,380,980.273m
 E: 510,067.9999m E: 508,534.934m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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 prescribed by the Department of Environmental Protection.
 Bradley D. Miller, P.S. 2167

FILE NO: 32-54-E-16
 DRAWING NO: Abu 4H Well Plat As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

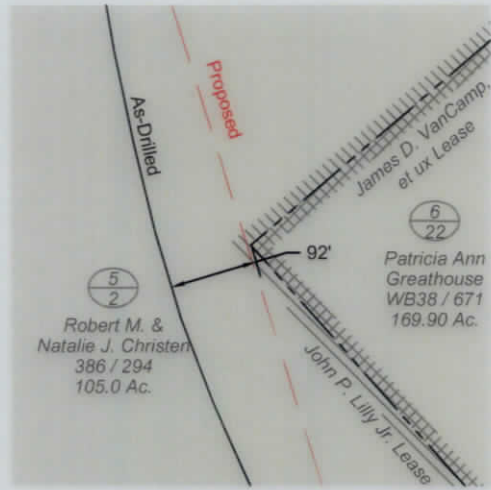
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 20, 20 19
 OPERATOR'S WELL NO. Abu Unit 4H
 API WELL NO. WR-35
 47 - 095 - 02523
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Drilled Grade - 849' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
 DISTRICT: Ellsworth & Lincoln John P. Lilly Jr.; Victor Herbert Boyd, II; COUNTY: Tyler
 SURFACE OWNER: John E. Roberts Patricia Ann Greathouse; Gary Keith Koontz et ux; Harold Ice, et ux; ACREAGE: 100
 ROYALTY OWNER: John E. Roberts; Nancy Squires; Michael Lee Rose; LEASE NO: ACREAGE: 65.5; 50; 40;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 6,113' TVD
 21,334' MD

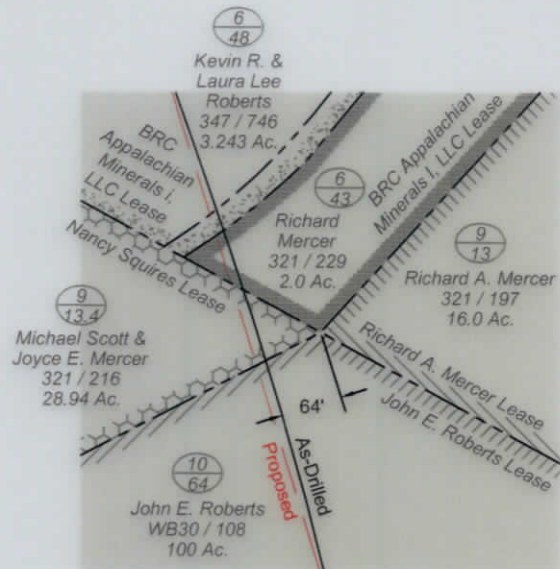
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313

11/12/2021



Detail B - Scale 1" = 100'

No.	TM-Par.	Bk. / Pg.	Ac.	Owner(s)
45	5-63	WB35 / 174	94.23	James D. Kimble
44	5-63.6	320 / 248	0.124	Friendly Public Service District
43	5-63.5	256 / 121	0.544	Roger Lee & Sadonna Lee Kimble
42	5-63.7	353 / 496	1.177	Roger Lee & Sadonna Lee Kimble
41	5-63.8	353 / 500	1.00	James C. & Amanda Kimble
40	5-63.2	343 / 812	33.97	Jesse Dale King & Melinda A. King
39	5-60	WB18 / 102	36.79	Susan Paden
38	5-55	WB18 / 102	12.79	Susan Paden
37	5-61	446 / 238	13.85	James A. Cochran, Jr.
36	5-62	344 / 254	50.02	James A. Cochran
35	5-51	270 / 460	60.0	Charles A. Daugherty
34	9-9	270 / 460	5.53	Charles A. Daugherty
33	9-11	201 / 424	83.14	Ralph D. & Mary Jo Koontz
32	2-3	WB20 / 436	3.46	Garnett C. Myers
31	2-3.1	328 / 701	1.58	Dawn Marie & Howard F. Myers, Jr.
30	2-4.1	219 / 186	0.73	Brenda K. & James David Kimble
29	2-4.3	364 / 161	0.79	Larry H. Kimble c/o Larry Daniel Kimble
28	2-4.2	WB36 / 539	5.87	Larry H. Kimble
27	2-5	309 / 025	9.52	Cindy L. & Charles T. White, Jr.
26	2-8	186 / 170	70.93	Jonathan & Mary Belle Pittman
25	2-11	WB35 / 616	61.54	Rosalie B. Henry
24	2-10	WB35 / 616	35.66	Rosalie B. Henry
23	5-1	WB38 / 144	39.0	James D. VanCamp, et al
22	5-2	386 / 294	105.0	Robert M. & Natalie J. Christen
21	6-22	WB38 / 671	169.90	Patricia Ann Greathouse
20	6-23	362 / 134	42.125	Floyd W. Dennis
19	5-3	206 / 457	50.25	Ralph D. & Mary Jo Koontz
18	5-4	301 / 409	77.0	Gary K. & Tracy J. Koontz
17	5-5	176 / 198	80.56	Ralph D. & Mary Jo Koontz
16	6-33	295 / 334	7.62	Gary K. & Tracy J. Koontz
15	6-39	242 / 39	30.0	Donald E. Forrester
14	6-41	125 / 421	20.05	Donald E. Forrester
13	9-13	321 / 197	16.0	Richard A. Mercer
12	6-43	321 / 229	2.0	Richard Mercer
11	6-42	176 / 289	1.0	John S. Starkey
10	6-48.1	402 / 286	4.286	Shawna L. Staley & Steve Fletcher
9	6-48	347 / 746	3.243	Kevin R. & Laura Lee Roberts
8	10-71	322 / 54	2.78	Millie Conrad
7	6-40	WB40 / 195	42.25	Alan D. Wyke
6	9-13.4	321 / 216	28.94	Michael Scott & Joyce E. Mercer
5	9-17	562 / 565	47.30	Daniel J. & Rebecca B. Stillwagoner
4	9-19	185 / 263	22.67	John E. Roberts
3	10-28	WB30 / 142	38.99	John E. Roberts
2	10-1	150 / 15	48.50	Patricia Ann Heintzman
1	10-64	WB30 / 108	100	John E. Roberts
No.	TM-Par.	Bk. / Pg.	Ac.	Owner(s)



Detail A - Scale 1" = 100'

FILE NO: 32-54-E-16
 DRAWING NO: Abu 4H Well Plat As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

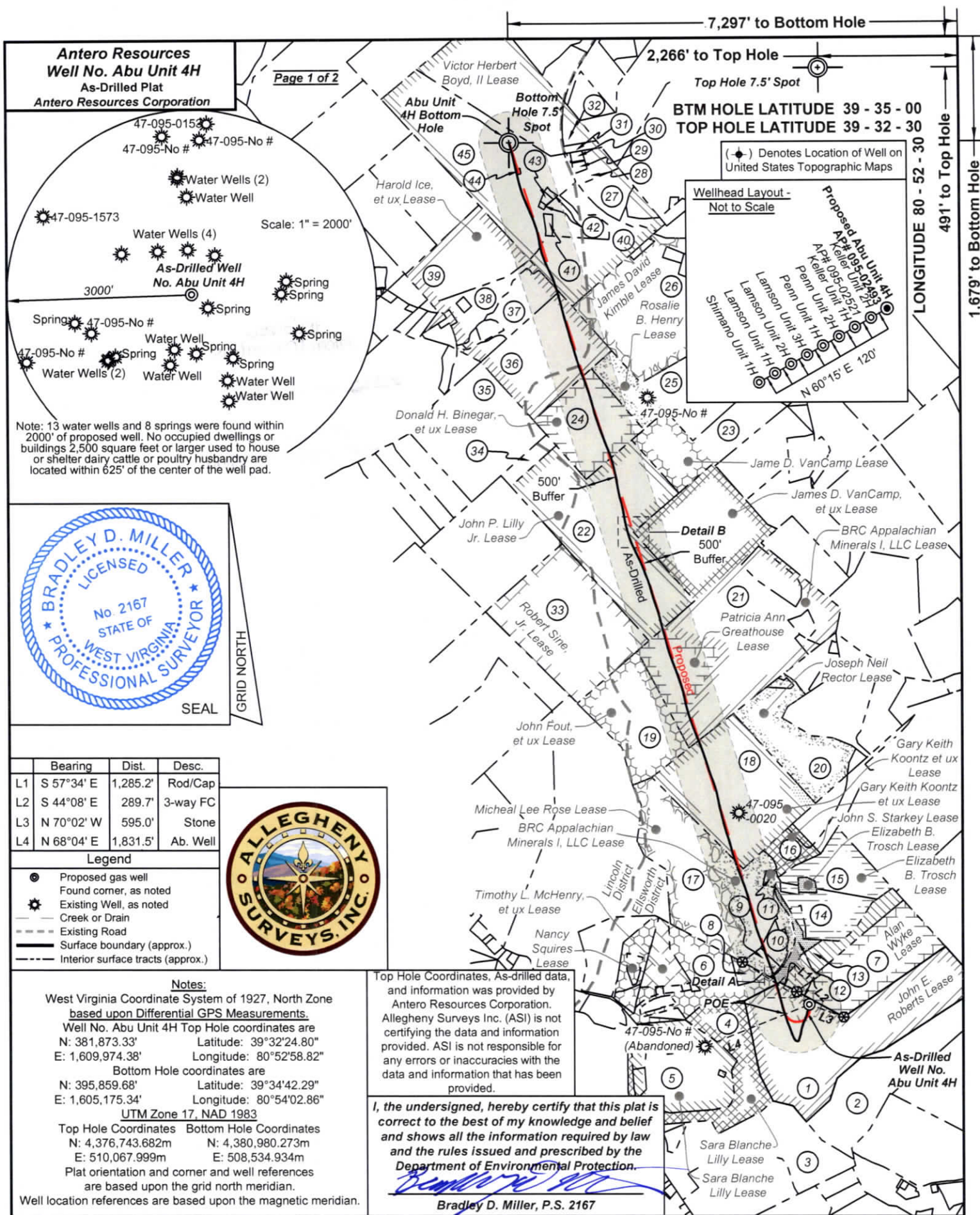
DATE: November 19, 20 19
 OPERATOR'S WELL NO. Abu Unit 4H
 API WELL NO
 47 - 095 - 02523
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW

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 ROYALTY OWNER: John E. Roberts; Nancy Squires; Michael Lee Rose; LEASE NO: ACREAGE: 65.5; 80.57;

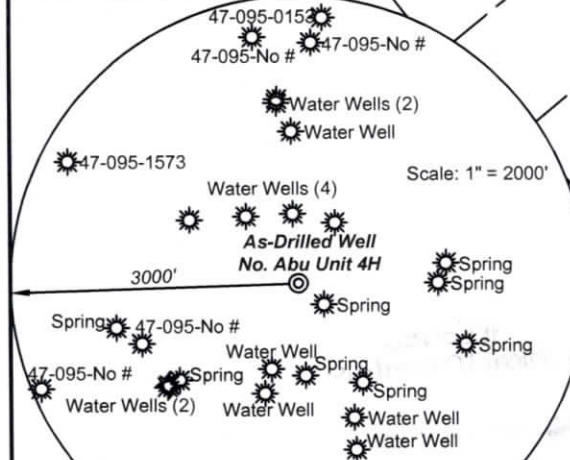
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 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,334' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313

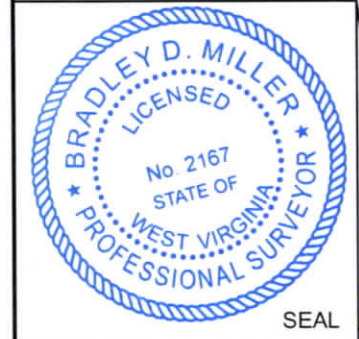


Antero Resources
Well No. Abu Unit 4H
 As-Drilled Plat
 Antero Resources Corporation

Page 1 of 2



Note: 13 water wells and 8 springs were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



Bearing	Dist.	Desc.
L1 S 57°34' E	1,285.2'	Rod/Cap
L2 S 44°08' E	289.7'	3-way FC
L3 N 70°02' W	595.0'	Stone
L4 N 68°04' E	1,831.5'	Ab. Well

- Legend**
- Proposed gas well
 - Found corner, as noted
 - Existing Well, as noted
 - Creek or Drain
 - Existing Road
 - Surface boundary (approx.)
 - Interior surface tracts (approx.)



Notes:
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 E: 1,605,175.34' Longitude: 80°54'02.86"
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 E: 510,067.999m E: 508,534.934m
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 Well location references are based upon the magnetic meridian.

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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 prescribed by the Department of Environmental Protection.
 Bradley D. Miller, P.S. 2167

7,297' to Bottom Hole
 2,266' to Top Hole
 Top Hole 7.5' Spot
BTM HOLE LATITUDE 39 - 35 - 00
TOP HOLE LATITUDE 39 - 32 - 30
 (•) Denotes Location of Well on United States Topographic Maps
 Wellhead Layout - Not to Scale
 Proposed Abu Unit 4H
 AP# 095-02393
 AP# 095-02524
 Penn Unit 2H
 Penn Unit 3H
 Lamson Unit 1H
 Lamson Unit 2H
 Shimano Unit 1H
 N 60°15' E 120'
 LONGITUDE 80 - 52 - 30
 491' to Top Hole
 1,679' to Bottom Hole

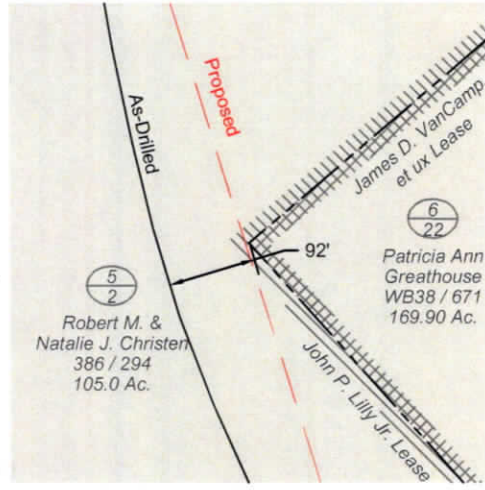
FILE NO: 32-54-E-16
 DRAWING NO: Abu 4H Well Plat As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: November 20, 20 19
 OPERATOR'S WELL NO. Abu Unit 4H
 API WELL NO
 47 - 095 - 02523
 STATE COUNTY PERMIT

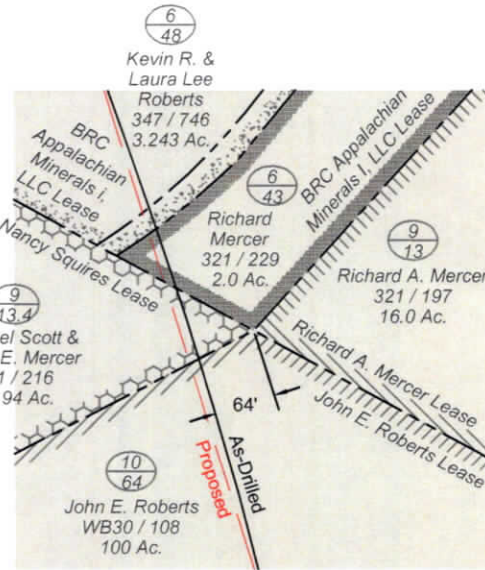
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Drilled Grade - 849' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City 126.54;
 DISTRICT: Ellsworth & Lincoln John P. Lilly Jr.; Victor Herbert Boyd, II; COUNTY: Tyler 109.1; 35.66;
 SURFACE OWNER: John E. Roberts Patricia Ann Greathouse; Gary Keith Koontz et ux; Harold Ice, et ux; ACREAGE: 100 77.3125; 101.8;
 ROYALTY OWNER: John E. Roberts; Nancy Squires; Michael Lee Rose; LEASE NO: ACREAGE: 65.5; 50; 40;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 21,334' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
 Denver, CO 80202 Charleston, WV 25313



Detail B - Scale 1" = 100'

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31	2-3.1	328 / 701	1.58	Dawn Marie & Howard F. Myers, Jr.
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2	10-1	150 / 15	48.50	Patricia Ann Heintzman
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No.	TM-Par.	Bk. / Pg.	Ac.	Owner(s)



Detail A - Scale 1" = 100'

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 Submeter
 PROVEN SOURCE OF ELEVATION:
 WVDOT, Harrisville, WV



DATE: November 19, 20 19
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 API WELL NO
 47 - 095 - C2523
 STATE COUNTY PERMIT

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 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
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