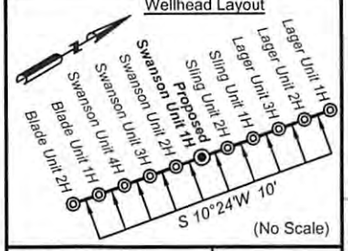
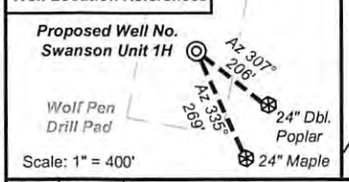
Antero Resources
Well No. Swanson Unit 1H
Antero Resources Corporation

Wellhead Layout



(No Scale)

Well Location References



Scale: 1" = 400'

No.	TM-Par	Owner	Bk/Pg	Acres
1	5-7	Alvin D. Ross	315 / 358	44.1
2	9-26	Cliffton A. & Samme R. Hart	212 / 304	1.0
3	5-7.1	Thomas G. Hart	280 / 438	1.0
4	5-6.1	Alvin D. Ross, et al	WB 40/294	1.0
5	5-5.1	Bonnie L. & Delbert W. Atkinson	263 / 171	1.42
6	9-1.1	Sammy Todd & Brenda L. Moran	260 / 554	0.84
7	9-8	Charles E. Summers Living Trust & Hirsel Maxwell	282 / 430	52.5
8	9-9	William Rodney Willis, et al	248 / 78	4.0
9	9-16.6	Rodney R. Rush	252 / 671	22.39
10	9-16	Ramona Jean Boyce	WB26/621	70.0
11	9-10	Marvin L. Nuce, et al	AP 37/238	11.5
12	9-17.1	Christine M. Bartlett, et al	263 / 479	45.74
13	9-16.8	Forrest D. & Christopher D. DeWeese	243 / 677	8.0
14	9-16.7	Zenith D. Boyce, et ux	190 / 624	6.0
15	13-3	Denzil R. & Linda M. Rutherford	235 / 619	56.94
16	9-11	Rachel Runner	87 / 353	11.0
17	13-4	Denzil R. & Linda M. Rutherford	235 / 619	23.73
18	13-10	Denzil R. & Linda M. Rutherford	235 / 619	33.0
19	9-1.2	Jennifer R. Kelly	WB 48/53	1.51
20	13-11	Felisha E. Perrodin, et al	310 / 653	32.3
21	9-16.3	Terry E. & April D. McKinney	184 / 441	3.0
22	9-1	Kenneth P. & Ronda J. Moran	265 / 466	83.14

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

Bottom Hole 7.5' Spot

Notes:
Well No. Swanson Unit 1H
UTM Zone 17, NAD 1927
Top Hole Coordinates
N: 14,250,155.629'
E: 1,733,226.462'
Point of Entry Coordinates
N: 14,249,894.328'
E: 1,733,270.439'
Bottom Hole Coordinates
N: 14,239,144.809'
E: 1,736,739.991'

Notes:
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
Well No. Swanson Unit 1H Top Hole coordinates are
N: 272,355.98' Latitude: 39°14'30.59"
E: 1,668,002.35' Longitude: 80°40'19.93"
Bottom Hole coordinates are
N: 261,284.21' Latitude: 39°12'41.59"
E: 1,671,333.08' Longitude: 80°39'35.78"
UTM Zone 17, NAD 1983
Top Hole Coordinates Bottom Hole Coordinates
N: 4,343,674.232m N: 4,340,318.166m
E: 528,302.964m E: 529,373.945m
Plat orientation and corner and well references are based upon the grid north meridian.
Well location references are based upon the magnetic meridian.

Note: It appears 14 water wells and 1 spring 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.

10,075' to Bottom Hole
1,606' to Top Hole
LATITUDE 39 - 15 - 00
Top LONGITUDE 80 - 40 - 00
Bottom LONGITUDE 80 - 37 - 30
2,955' to Top Hole
13,876' to Bottom Hole

(+) Denotes Location of Well on United States Topographic Maps

	Bearing	Dist.
L1	S 08°36' E	265.1'
L2	N 08°29' W	1062.4'
L3	N 34°58' W	978.2'
L4	N 74°04' W	808.4'
L5	S 37°11' W	542.0'

Top Hole 7.5' Spot

BRADLEY D. MILLER LICENSED No. 2167 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR SEAL

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

Scale: 1" = 2000'

GRID NORTH

ALLEGHENY SURVEYS, INC.

FILE NO: 88-30-NM-13
DRAWING NO: Swanson 1H Well Plat 12-16
SCALE: 1" = 1600'
MINIMUM DEGREE OF ACCURACY: Submeter
PROVEN SOURCE OF ELEVATION: WVDOT, Bridgeport, WV

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

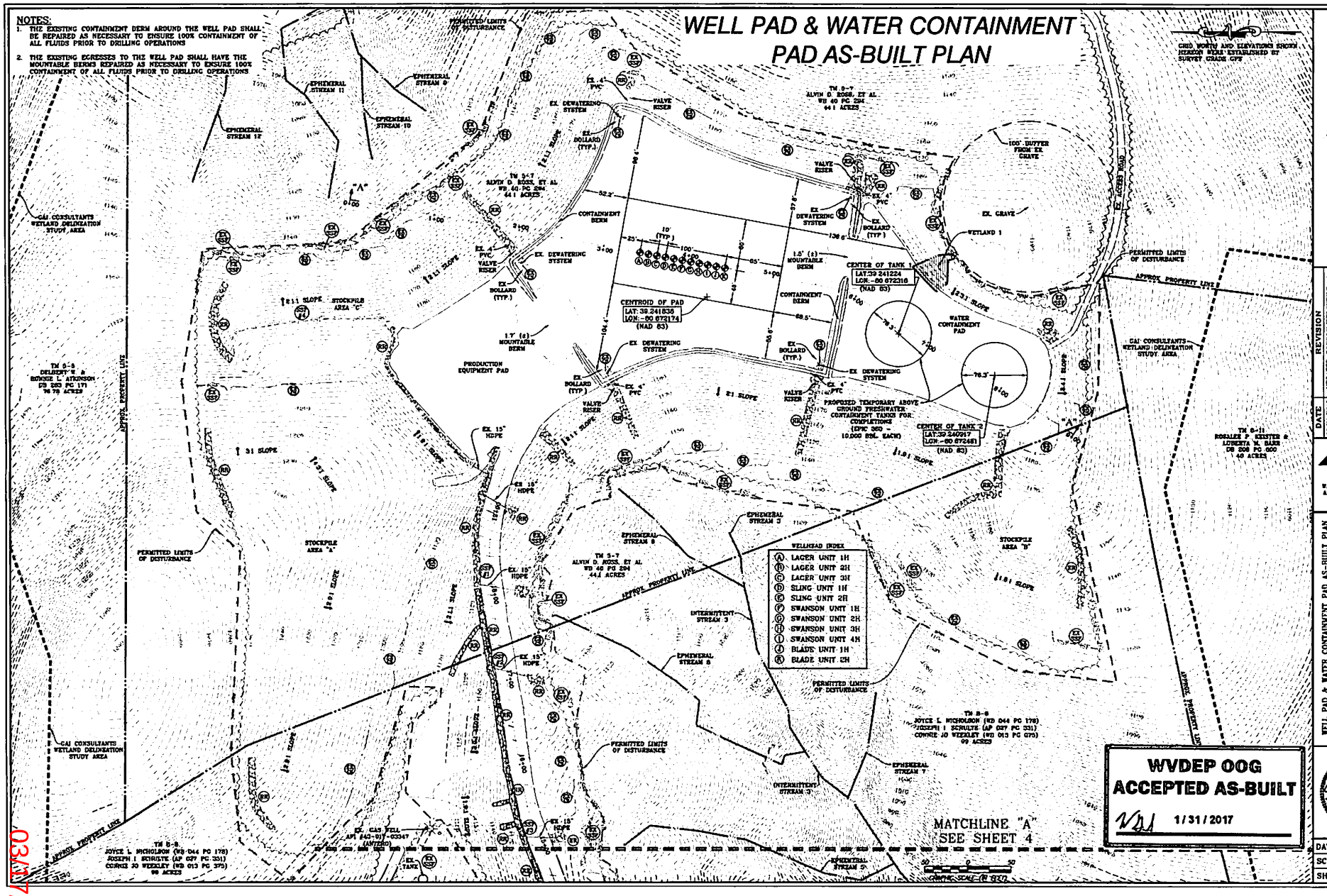
DATE: December 16 2016
OPERATOR'S WELL NO. Swanson Unit 1H
API WELL NO
47 - 017 - 06801
STATE COUNTY PERMIT

WELL TYPE: ☐ OIL ☒ GAS ☐ LIQUID INJECTION ☐ WASTE DISPOSAL
(IF GAS) PRODUCTION : ☐ STORAGE ☐ DEEP ☒ SHALLOW
LOCATION: ELEVATION: Proposed 1188' Existing 1201' WATERSHED: Headwaters Middle Island Creek QUADRANGLE: New Milton
DISTRICT: New Milton COUNTY: Doddridge
SURFACE OWNER: Alvin D. Ross, et al Richard Wolfe; Stephanie S. Hecht; H.A.J.F. Douglas, et ux; Peter McDonald; ACREAGE: 44.1 29.586; 77.32; 122; 57;
ROYALTY OWNER: Louise P. Ross; Kenneth Moran, et ux, E.L. Davis; W.H.H. Douglas, et ux LEASE NO: _____ ACREAGE: 46; 83.14; 52.5; 218
PROPOSED WORK: ☒ DRILL ☐ CONVERT ☐ DRILL DEEPER ☒ FRACTURE OR STIMULATE ☐ PLUG OFF OLD FORMATION
☒ PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
☐ PLUG AND ABANDON ☐ CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,400' TVD 19,300' MD

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

03/17/2017

WELL PAD & WATER CONTAINMENT PAD AS-BUILT PLAN



NAVITUS ENERGY ENGINEERING
Telephone: (833) 682-4185 | www.NavitusEng.com

DATE	REVISION
08/31/2015	UPDATED BOREHOLE/STOCKPILE #1
04/11/2016	REVISED TOE BENCH WIDTHS
06/12/2015	REVISED PER SURFACE OWNR./WELL SHIFT
12/13/2016	REVISED WELLS
01/20/2017	ADD API #'S & WATER CONTAINMENT TANKS

Antero Resources

THIS DOCUMENT WAS PREPARED FOR ANTERO RESOURCES CORPORATION

WELL PAD & WATER CONTAINMENT PAD AS-BUILT PLAN

WOLF PEN

WELL PAD & WATER CONTAINMENT PAD
NEW MILTON DISTRICT
DODDRIDGE COUNTY, WEST VIRGINIA

01/20/2017

DATE: 07/01/2015
SCALE 1" = 50'
SHEET 5 OF 7

03/17/2017