

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 103 - 03480 County Wetzel District Green
Quad Porter Falls Pad Name Red Lady Field/Pool Name -----
Farm name Margaret Lancaster Well Number Baldy Unit 3H
Operator (as registered with the OOG) Antero Resources Corporation
Address 1615 Wynkoop Street City Denver State CO Zip 80202

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4375177.810m Easting 520470.681m
Landing Point of Curve Northing 4375277.748m Easting 520963.775m
Bottom Hole Northing 4378397.433m Easting 519907.191m

Elevation (ft) 1206' GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine

Mud Type(s) and Additive(s)
Air - Foam & 4% KCL

Mud - Polymer

Date permit issued 3/2/2022 Date drilling commenced 4/4/2022 Date drilling ceased 6/23/2022
Date completion activities began 8/29/2022 Date completion activities ceased 11/15/2022
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 1040' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1592' Void(s) encountered (Y/N) depths No
Coal depth(s) ft 851' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

APPROVED

Reviewed by:

Steve M. King
08/11/2023
5/31/23

API 47- 103 - 03480 Farm name Margaret Lancaster Well number Baldy Unit 3H

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	26"	20"	328'	New	78.67#, X-60	N/A	Y
Surface	17-1/2"	13-3/8"	952'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3553'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	27401'	New	23#	N/A	Y
Tubing		2-3/8"	7200'		4.7#, P-110		
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	270 sx	15.6	1.18	319	0'	8 Hrs.
Surface	Class A	746 sx	15.6	1.19	888	0'	8 Hrs.
Coal							
Intermediate 1	Class A	1197 sx	15.6	1.20	1436	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class G	2875 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.26 (Tail)	3623	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 27401' MD, 6904' TVD (BHL), 6940' (Deepest Point Drilled) Loggers TD (ft) 27401' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

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Kick off depth (ft) 6602'

Check all wireline logs run caliper density deviated/directional induction
 neutron resistivity gamma ray temperature sonic

Well cored Yes No Conventional Sidewall Were cuttings collected Yes No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

Conductor - 0
 Surface - 1 above guide shoe, 1 above insert float, 1 every 4th joint to surface
 Intermediate - 1 above float joint, 1 above float collar, 1 every 4th joint to surface
 Production - 1 above float joint, 1 below float collar, 1 every 3rd joint to top of cement

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED N/A

08/11/2023

API 47- 103 - 03480 Farm name Margaret Lancaster Well number Baldy Unit 3H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>			
<u>Marcellus</u>	<u>6885' (TOP)</u>	<u>TVD</u>	<u>7450' (TOP)</u>	<u>MD</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 1841 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 9646 mcfpd Oil 325 bpd NGL --- bpd Water 7 bpd GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
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***PLEASE SEE ATTACHED EXHIBIT 3**

Please insert additional pages as applicable.

Drilling Contractor H & P Drilling
Address 912 N Eagle Valley Rd City Howard State PA Zip 16841

Logging Company GR Energy Services
Address 2150 Town Square Pl #410 City Sugar Land State TX Zip 77479

Cementing Company Schlumberger US Land
Address 1080 US-33 City Weston State WV Zip 26452

Stimulating Company Halliburton
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Please insert additional pages as applicable.

Completed by Carly Marvel Telephone 303-357-7373
Signature Carly Marvel Title Permitting Agent Date 1/24/2023

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

08/11/2023 

API 47-103-03480 Farm Name Margaret Lancaster Well Number Baldy Unit 3H

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	08/18/2022	18377.2	18210.7	60	Marcellus
2	08/29/2022	18175.0	18008.6	60	Marcellus
3	08/29/2022	17972.9	17806.5	60	Marcellus
4	08/30/2022	17770.8	17604.3	60	Marcellus
5	08/30/2022	17568.6	17402.2	60	Marcellus
6	08/30/2022	17366.5	17200.1	60	Marcellus
7	08/31/2022	17164.4	16998.0	60	Marcellus
8	08/31/2022	16962.3	16795.8	60	Marcellus
9	08/31/2022	16760.1	16593.7	60	Marcellus
10	08/31/2022	16558.0	16391.6	60	Marcellus
11	09/01/2022	16355.9	16189.4	60	Marcellus
12	09/01/2022	16153.8	15987.3	60	Marcellus
13	09/01/2022	15951.6	15785.2	60	Marcellus
14	09/02/2022	15749.5	15583.1	60	Marcellus
15	09/02/2022	15547.4	15380.9	60	Marcellus
16	09/02/2022	15345.3	15178.8	60	Marcellus
17	09/16/2022	15143.1	14976.7	60	Marcellus
18	09/17/2022	14941.0	14774.6	60	Marcellus
19	09/17/2022	14738.9	14572.4	60	Marcellus
20	09/17/2022	14536.7	14370.3	60	Marcellus
21	09/17/2022	14334.6	14168.2	60	Marcellus
22	09/18/2022	14132.5	13966.1	60	Marcellus
23	09/18/2022	13930.4	13763.9	60	Marcellus
24	09/19/2022	13728.2	13561.8	60	Marcellus
25	09/19/2022	13526.1	13359.7	60	Marcellus
26	09/19/2022	13324.0	13157.5	60	Marcellus
27	09/19/2022	13121.9	12955.4	60	Marcellus
28	09/20/2022	12919.7	12753.3	60	Marcellus
29	09/20/2022	12717.6	12551.2	60	Marcellus
30	09/20/2022	12515.5	12349.0	60	Marcellus
31	09/20/2022	12313.4	12146.9	60	Marcellus
32	09/21/2022	12111.2	11944.8	60	Marcellus
33	09/21/2022	11909.1	11742.7	60	Marcellus
34	09/21/2022	11707.0	11540.5	60	Marcellus
35	09/21/2022	11504.8	11338.4	60	Marcellus
36	09/22/2022	11302.7	11136.3	60	Marcellus
37	09/22/2022	11100.6	10934.2	60	Marcellus
38	09/22/2022	10898.5	10732.0	60	Marcellus
39	09/22/2022	10696.3	10529.9	60	Marcellus
40	09/22/2022	10494.2	10327.8	60	Marcellus
41	09/23/2022	10292.1	10125.6	60	Marcellus
42	09/23/2022	10090.0	9923.5	60	Marcellus
43	09/23/2022	9887.8	9721.4	60	Marcellus
44	09/23/2022	9685.7	9519.3	60	Marcellus
45	09/23/2022	9483.6	9317.1	60	Marcellus
46	09/24/2022	9281.5	9115.0	60	Marcellus
47	09/24/2022	9079.3	8912.9	60	Marcellus
48	09/24/2022	8877.2	8710.8	60	Marcellus
49	09/25/2022	8675.1	8508.6	60	Marcellus
50	09/25/2022	8472.9	8306.5	60	Marcellus
51	09/25/2022	8270.8	8104.4	60	Marcellus
52	09/26/2022	8068.7	7902.3	60	Marcellus
53	09/26/2022	7866.6	7700.1	60	Marcellus
54	09/26/2022	7664.4	7498.0	60	Marcellus

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Office of Oil and Gas
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08/11/2023

JM

EXHIBIT 2

Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)
1	08/18/2022	79.9	8451	4178	4060	398080	354474	N/A
2	08/29/2022	78.4	8584	4618	4997	398710	297239	N/A
3	08/29/2022	85.9	8685	5393	4388	407025	305005	N/A
4	08/30/2022	73.3	7695	5717	4500	401465	290808	N/A
5	08/30/2022	79.0	8764	6669	4901	407298	292210	N/A
6	08/30/2022	79.1	8558	7972	3973	399868	317675	N/A
7	08/31/2022	81.6	8537	6732	4355	399677	291291	N/A
8	08/31/2022	89.9	8781	5155	4920	402506	289851	N/A
9	08/31/2022	82.8	8818	6689	5093	410378	291128	N/A
10	08/31/2022	76.4	8441	6786	4198	411574	288824	N/A
11	09/01/2022	83.3	8454	6089	4589	410673	286931	N/A
12	09/01/2022	82.7	8761	7463	4100	411482	296238	N/A
13	09/01/2022	85.8	8684	6130	4990	321820	266958	N/A
14	09/02/2022	83.7	8792	6980	4988	411572	301583	N/A
15	09/02/2022	87.9	8742	6123	4900	403209	291523	N/A
16	09/02/2022	88.0	8500	5699	4797	401821	295684	N/A
17	09/16/2022	21.9	7002	5918	5002	0	43300	N/A
18	09/17/2022	88.2	8687	5918	3961	409667	332761	N/A
19	09/17/2022	90.3	8559	5068	4087	414280	293222	N/A
20	09/17/2022	96.0	8758	8097	4699	412244	291816	N/A
21	09/17/2022	94.3	8609	8492	4532	409584	297351	N/A
22	09/18/2022	85.4	8043	4998	4492	405245	290228	N/A
23	09/18/2022	94.7	8564	8099	4335	414392	289379	N/A
24	09/19/2022	88.8	8161	4310	3932	406331	293168	N/A
25	09/19/2022	95.5	8524	7047	4409	400745	285288	N/A
26	09/19/2022	94.4	8382	5697	4920	413286	288553	N/A
27	09/19/2022	79.9	7414	4974	4111	401308	292171	N/A
28	09/20/2022	94.4	8184	4337	4206	402143	286406	N/A
29	09/20/2022	97.1	8323	5317	5383	409494	279046	N/A
30	09/20/2022	95.7	8263	5228	4133	411565	270972	N/A
31	09/20/2022	94.0	7997	4536	4493	406937	270346	N/A
32	09/21/2022	94.3	8098	4842	4714	416091	272864	N/A
33	09/21/2022	92.4	8012	5320	4137	411566	275046	N/A
34	09/21/2022	89.7	7913	4833	3629	412481	277150	N/A
35	09/21/2022	93.5	8000	3340	4643	406820	270653	N/A
36	09/22/2022	93.1	8018	5770	4521	403645	272120	N/A
37	09/22/2022	89.8	7836	6204	3633	400735	289837	N/A
38	09/22/2022	92.4	7916	4952	3916	400231	274361	N/A
39	09/22/2022	95.2	7973	5419	4387	404516	277959	N/A
40	09/22/2022	95.5	7983	4488	3983	404471	265462	N/A
41	09/23/2022	95.5	7940	5649	3544	403545	268127	N/A
42	09/23/2022	96.0	7834	6490	3491	406410	279398	N/A
43	09/23/2022	93.8	7765	5943	4360	404262	310607	N/A
44	09/23/2022	95.7	7905	5210	3714	406013	310832	N/A
45	09/23/2022	97.1	7827	3749	4149	401314	301160	N/A
46	09/24/2022	64.0	6316	3373	4872	405852	364903	N/A
47	09/24/2022	95.6	7949	6193	4321	405497	349636	N/A
48	09/24/2022	96.6	7818	4748	4341	402571	343630	N/A
49	09/25/2022	96.9	7787	4768	4008	408911	344600	N/A
50	09/25/2022	96.5	7563	5213	4883	402880	274172	N/A
51	09/25/2022	97.0	7524	5357	4447	408016	366876	N/A
52	09/26/2022	96.1	7625	5258	4938	402055	359144	N/A
53	09/26/2022	98.2	7655	4910	4130	402618	339912	N/A
54	09/26/2022	96.9	7424	5482	3985	403175	349423	N/A
	AVG=	89	8,137	5,629	4,392	21,438,054	15,899,301	TOTAL

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08/11/2023


EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Sandstone	99	194	99	194
Silty Sandstone, tr shale	194	424	194	424
Silty Sandstone, occ shale	424	724	424	724
Shaley Sandstone, occ Limestone	724	874	724	874
Silty Sandstone, tr shale	874	924	874	924
Sandstone, tr Siltstone, tr shale	924	1,124	924	1,124
Shaley Siltstone, tr coal	1,124	1,424	1,124	1,424
Sandstone	1,424	1,524	1,424	1,524
Silty Sandstone, occ shale	1,524	1,724	1,524	1,724
Sandstone, tr Siltstone, tr shale	1,724	1,874	1,724	1,874
Sandstone, Tr Shale, Tr Silt	1,874	1,924	1,874	1,924
Silty Sandstone, tr shale	1,924	2,024	1,924	2,024
Sandy Shale, Tr Coal, Tr Limestone	2,024	2,114	2,024	2,156
Big Lime	2,140	2,913	2,156	2,990
Fifty Foot Sandstone	2,913	2,967	2,964	3,045
Gordon	2,967	3,240	3,019	3,326
Fifth Sandstone	3,240	3,305	3,300	3,392
Bayard	3,305	3,973	3,366	4,093
Speechley	3,973	4,118	4,067	4,249
Balltown	4,118	4,571	4,223	4,736
Bradford	4,571	5,122	4,710	5,327
Benson	5,122	5,551	5,301	5,789
Alexander	5,551	6,713	5,763	7,064
Sycamore	6,560	6,687	6,873	7,038
Middlesex	6,687	6,787	7,038	7,206
Burkett	6,787	6,817	7,206	7,266
Tully	6,817	6,885	7,266	7,450
Marcellus	6,885	NA	7,450	NA

*Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.



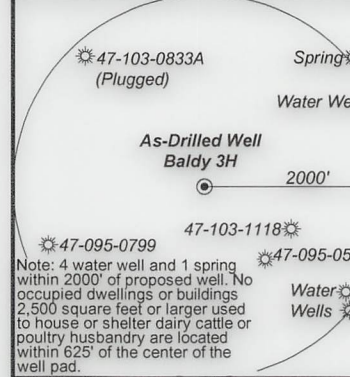
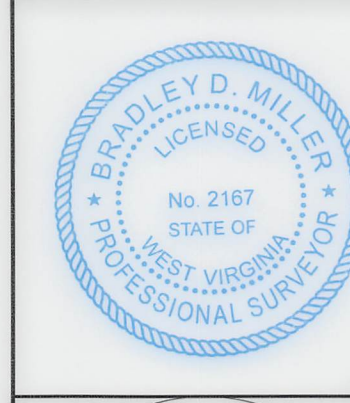
Antero Resources
Well No. Baldy 3H
As-Drilled
 Antero Resources Corporation



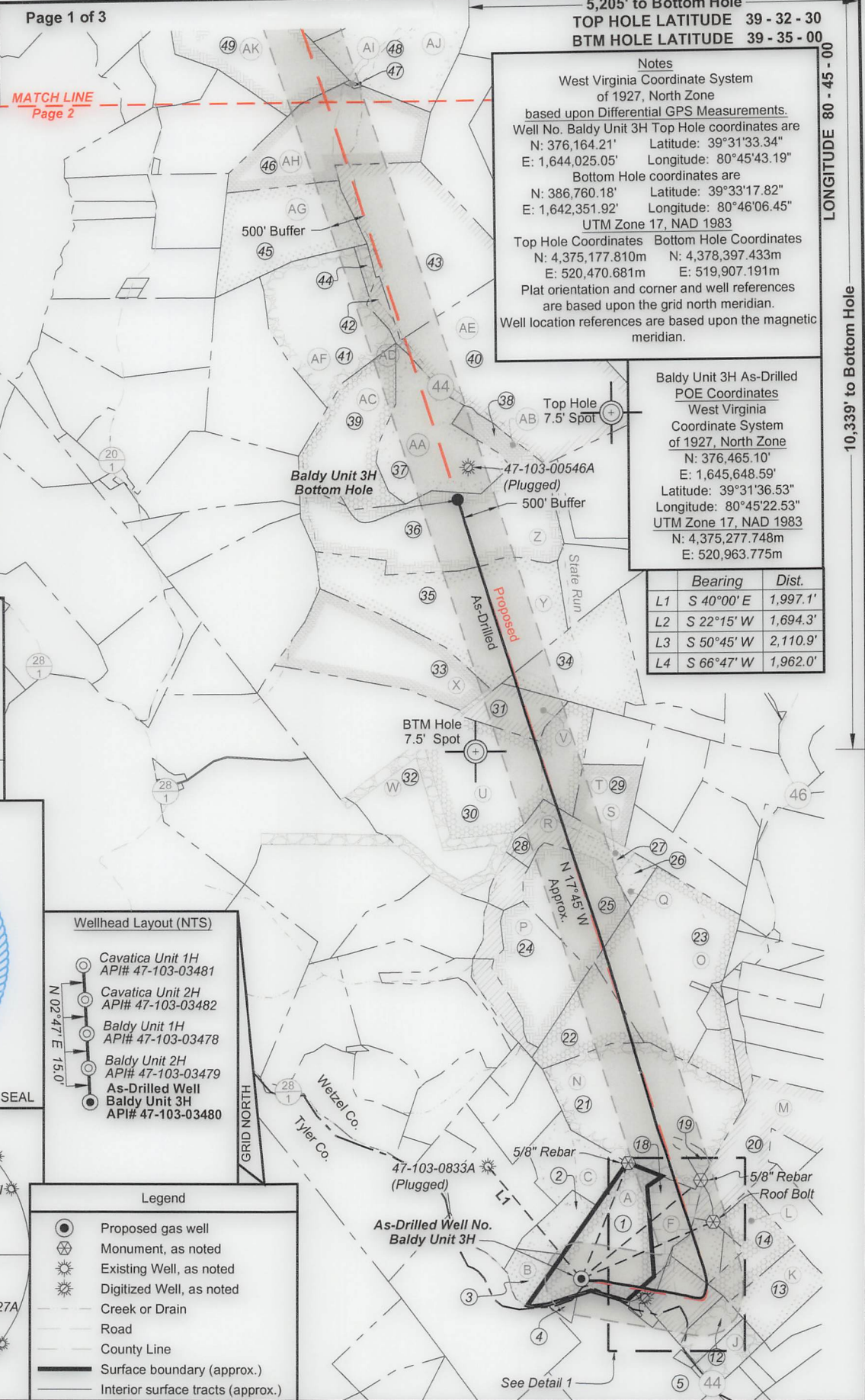
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegany Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

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
 Bradley D. Miller, P.S. 2167



FILE NO: 109-34-G-18
 DRAWING NO: Baldy 3H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH



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

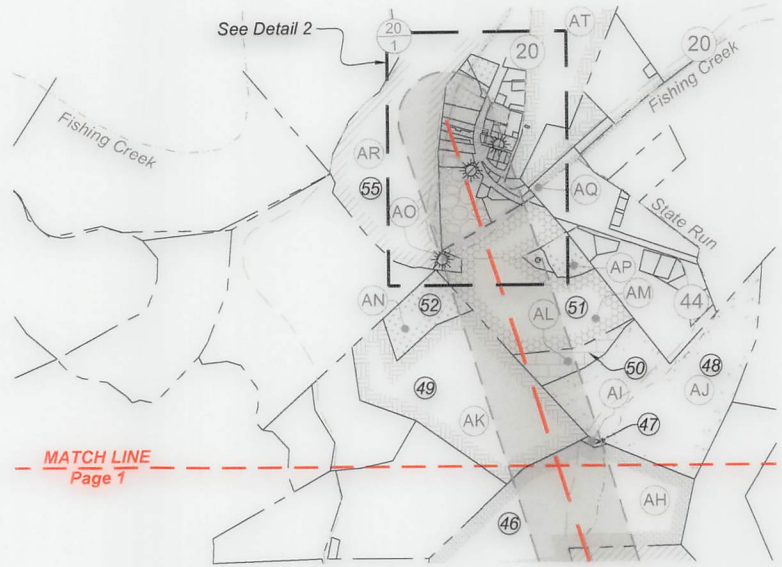
DATE: February 22 2023
 OPERATOR'S WELL NO. Baldy Unit 3H
 API WELL NO
 47 - 103 - 03480
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls
 DISTRICT: Green Margaret COUNTY: Wayne
 SURFACE OWNER: Lancaster Gladys E. Conley Trust; Margaret Lancaster; Richard R. & Mary J. Scyoc; Chesapeake Appalachia, LLC (3); Thomas J. Jacoboni Revocable Trust;
 ROYALTY OWNER: Harry I. Elson; Shiben Estates, Inc. (2); Dale L. Fox; Joyce E. Henry; Betty S. Burns; LEASE NO: ACREAGE: 39.00
 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: 18,291' MD

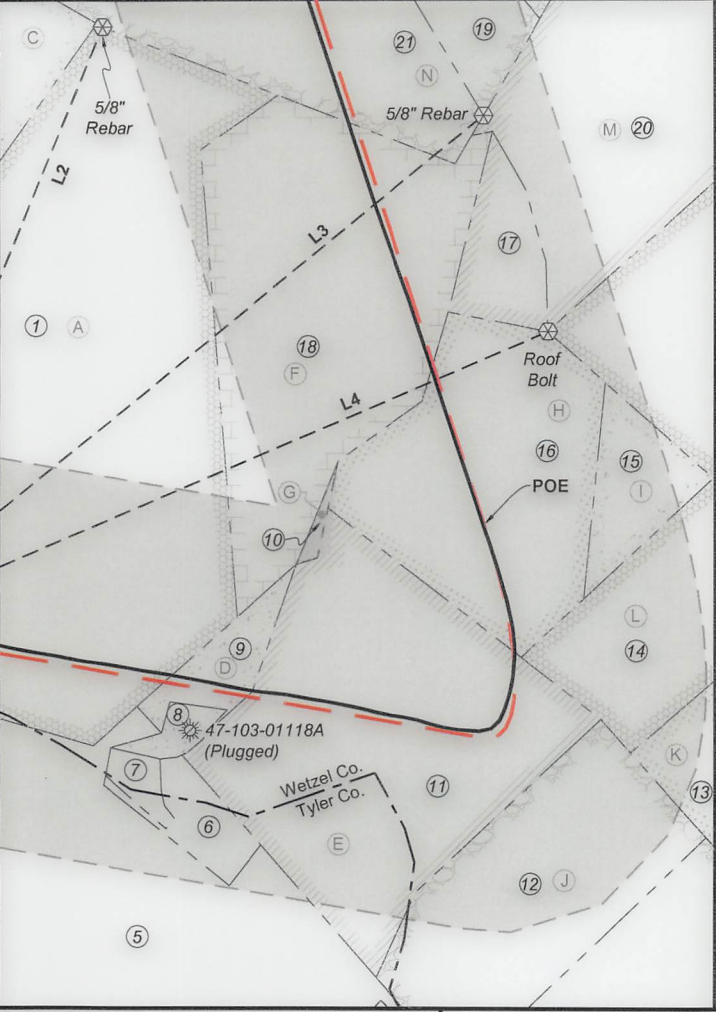
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

08/11/2023

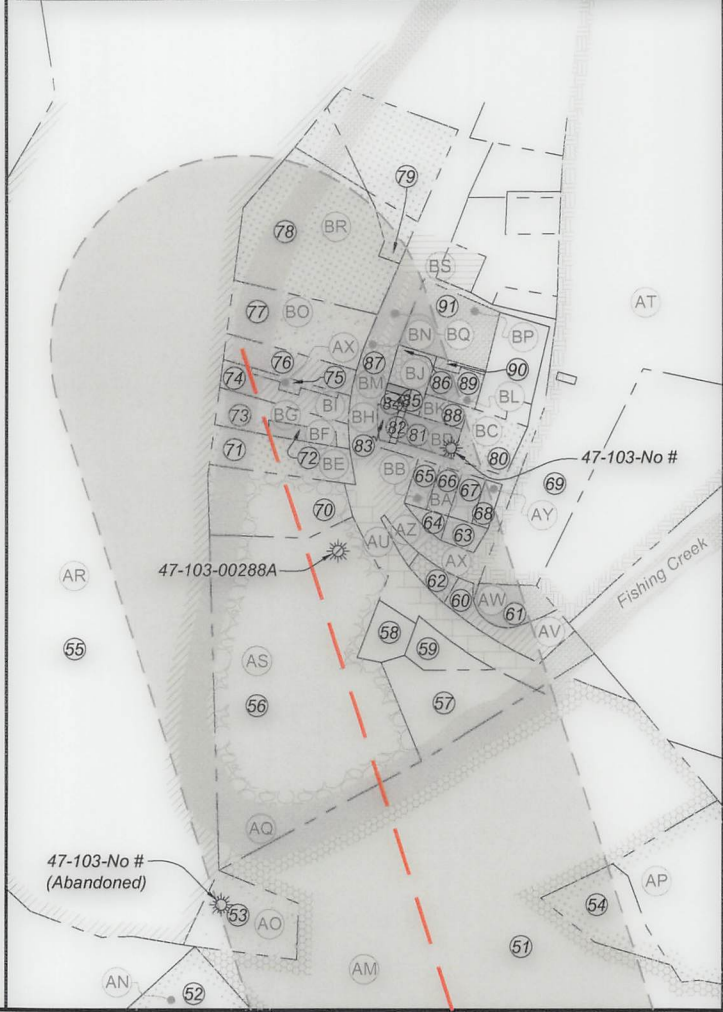


MATCH LINE
Page 1

Detail 1 (1"=500')



Detail 2 (1"=500')



FILE NO: 109-34-G-18
 DRAWING NO: Baldy 3H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

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

DATE: February 22 2023
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 47 - 103 - 03480
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 ROYALTY OWNER: Harry I. Elson; Shiben Estates, Inc. (2); Dale L. Fox; Joyce E. Henry; Betty S. Burns; LEASE NO: ACREAGE: 26; 61; 76.675;
 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: 18,291' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

Antero Resources
Well No. Baldy 3H
As-Drilled
 Antero Resources Corporation



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Leases	
A	Shiben Estates, Inc.
B	Randy Bradley
C	Richard R. & Mary J. Scyoc
D	Shiben Estates, Inc.
E	Thomas J. Iacoboni Revocable Trust
F	Margaret Lancaster
G	Cecil E. Lancaster
H	Betty S. Burns
I	Black Gold Group, LTD
J	Crystal A. Muzzy
K	Jim R. McHenry
L	Sally Lou Anderson
M	H. Dorn Higginbotham
N	Richard R. & Mary J. Scyoc
O	Chesapeake Appalachia, LLC
P	Joyce E. Henry
Q	David A. Dickey
R	Dale L. Fox
S	Kevin S. Goff, et ux
T	Shiben Estates, Inc.
U	Harry I. Elson
V	Chesapeake Appalachia, LLC
W	Thomas W. Lins
X	Kenneth Stewart Keystone Trust
Y	Gladys E. Conley Trust
Z	Chesapeake Appalachia, LLC

Leases	
AA	Wilbur Dawson
AB	Donald E. Dawson, et ux
AC	Chesapeake Appalachia, LLC
AD	Garnet Gas Company
AE	Lee & Hall Royalties
AF	Five Star Resources
AG	Ridgetop Royalties, LLC
AH	Paul H. Abel
AI	Martin E. Rodgers
AJ	Ridgetop Royalties, LLC
AK	Ridgetop Royalties, LLC
AL	Ridgetop Royalties, LLC
AM	Leslie A. Lively
AN	Phillip W. Wiley
AO	Frances C. Fluharty
AP	Emma Ruth Taylor
AQ	WVDNR
AR	Bradley W. Ueltschy, et ux
AS	Mark W. Booth
AT	SanDee Nieboer Stradley
AU	CSX Transportation
AV	Michelle R. Mason
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BQ	WV State Road Commission
BR	Lee E. Bassett, et ux
BS	David Wilson

ID	TM-Par	Owner	Bk/Pg	Acres
1	19-31	Margaret Lancaster	333 / 440	39.00
2	19-30	Richard R. & Mary J. Scyoc	452 / 177	13.00
3	19-52	Joshua Highley	464 / 208	8.01
4	-	Garrett Cemetery	85 / 62	1.80
5	12-27	Crystal A. Muzzy (Tyler Co.)	W69 / 226	60.91
6	12-27.1	Timothy R. & Janette D. Long (Tyler Co.)	334 / 103	1.39
7	12-36	Timothy R. & Janette D. Long (Tyler Co.)	334 / 103	0.45
8	19-38.2	Timothy R. & Janette D. Long	406 / 178	0.25
9	19-53	Margaret Lancaster	333 / 440	1.75
10	19-39	Margaret Lancaster	W10 / 315	0.28
11	19-40	Crystal A. Muzzy	420 / 28	15.80
12	19-43	Crystal A. Muzzy	420 / 28	7.00
13	19-41	Sharon M. & Ronald L. Christenson	439 / 373	18.50
14	19-35	Sharon M. & Ronald L. Christenson	439 / 373	20.00
15	19-34	Sharon M. & Ronald L. Christenson	439 / 373	2.00
16	19-33	John A. Earnest	401 / 357	9.30
17	19-17.1	Zachary M. & Jessica N. Pittman	421 / 145	1.83
18	19-32	Margaret Lancaster	333 / 440	13.00
19	19-16.1	Richard R. & Mary J. Scyoc	445 / 20	2.74
20	19-17	John R. & Mary A. Horner	416 / 853	47.55
21	19-16	Richard R. & Mary J. Scyoc	443 / 336	73.96
22	19-22	John Sheldon Condit	309 / 312	24.25
23	16-61	Michael L. & Tina M. Adams	444 / 427	67.96
24	16-59.1	Mark Goldstein	435 / 308	25.00
25	16-59	Mark & Patti Goldstein	305 / 586	34.97
26	16-59.2	James L. & Martha Jo Stewart	288 / 330	4.50
27	16-55	James E. Newman	400 / 234	4.00
28	16-54	James E. Newman	400 / 234	8.00
29	16-45	James E. Newman	400 / 234	18.50
30	16-37	Garrett S. Estate	316 / 248	61.00
31	16-21.1	Mildred E. Caseman	W45 / 396	15.00
32	16-44	Kenneth E. Stewart Keystone Trust	424 / 821	46.30
33	16-29	Kenneth E. Stewart Keystone Trust	424 / 821	53.50
34	16-21	Mildred E. Caseman	W45 / 396	40.00
35	16-20	Bonita Andrich, et al	W70 / 243	79.03
36	16-8	Wilber B. Dawson & Loretta P. Ueltschy	408 / 192	75.75
37	16-3	Wilber B. Dawson & Loretta P. Ueltschy	408 / 192	49.80
38	16-3.1	Donald E. & Carolyn L. Dawson	332 / 114	10.00
39	16-2	Wilber B. Dawson & Loretta P. Ueltschy	408 / 192	44.50
40	12-55	Bradley W. Ueltschy	330 / 37	100.00
41	12-54	Jerri L. & Donald H. Satterfield, Jr.	399 / 108	54.72
42	12-49.1	Gregory W. & April D. Ueltschy	370 / 125	3.45
43	12-49	John W. & Rosalie M. Ueltschy	362 / 403	86.55
44	12-54.1	Grady Norris Heirs	286 / 678	2.38
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48	12-30	Martin E. Rodgers	363 / 413	51.08
49	12-26	Martin E. Rodgers	419 / 493	50.40
50	12-27	Martin E. Rodgers	363 / 413	3.08
51	12-18	Leslie A. Lively	387 / 229	39.63
52	12-26.1	Phillip Wiley	361 / 471	8.25
53	12-18.3	Frances C. Fluharty	312 / 345	1.00
54	12-18.2	Charles A. Loy	331 / 320	1.18
55	7-50	Bradley W. & Kimberly Ueltschy	342 / 710	79.78
56	12-2	Brian K. & Rebecca A. Starkey	467 / 695	7.50
57	31-35	Kenneth Scyoc, et al	AP10 / 559	1.10
58	31-34	Kenneth Scyoc, et al	AP10 / 559	0.39
59	-	Blanche Mae Richmond Estate	191 / 427	0.25
60	31-19	Paul Abel Trust	328 / 377	0.66
61	12-3	Easterling Trust	446 / 376	0.50
62	31-18	Phillip Wiley	379 / 525	0.33
63	31-17	Barbara Sue Thomas	457 / 139	0.17
64	31-13	Lesia S. Leek	489 / 931	0.25
65	31-14	Jeffrey J. Ellis	466 / 868	0.17
66	31-15	Carl J. Lancaster Estate	W66 / 516	0.17
67	31-16.1	Barbara Sue Thomas	457 / 139	0.18
68	31-16	Barbara Sue Thomas	457 / 139	0.11
69	7-53	Brenda G. Easterling Trust	446 / 376	32.98
70	31-33	Brian K. & Rebecca A. Starkey	467 / 695	1.50
71	31-32	Carl J. Lancaster Estate	W66 / 516	0.90
72	31-3	Richard A. & Marci L. Cain	440 / 255	0.17
73	31-31	Rodney D. & Deirdra D. Weekley	421 / 658	0.34
74	31-29	Kimberly A. Miller	406 / 527	0.25
75	31-30	Phillip Wiley	379 / 249	0.11
76	31-27.1	Kimberly A. Miller	406 / 527	0.15
77	31-27	Rodney D. Weekley	302 / 79	1.40
78	31-23	Lee E. & Charlotte D. Bassett	395 / 29	1.42
79	31-22	Lee E. & Charlotte D. Bassett	395 / 29	0.50
80	31-11	Christina Booher	482 / 44	0.47
81	31-28	Carl J. Lancaster Estate	W66 / 516	0.28
82	31-26.1	Michael or Melissa Scyoc	461 / 681	0.06
83	31-26	Raymond E. & Catherine H. Lasure	249 / 435	0.09
84	31-25	Raymond E. & Catherine H. Lasure	258 / 151	0.03
85	31-24	Raymond E. & Catherine H. Lasure	249 / 435	0.03
86	31-12	Rodney D. Weekley	302 / 79	0.03
87	31-12.2	Raymond E. & Catherine H. Lasure	249 / 435	0.28
88	31-12.3	Allen G. & Joyce E. Cain	316 / 133	0.16
89	31-12.1	Jody J. Dawson	344 / 149	0.25
90	31-7.1	Jody J. Dawson	344 / 149	0.06
91	31-7	Danny R. & Christina F. Booher	285 / 134	0.80

FILE NO: 109-34-G-18
 DRAWING NO: Baldy 3H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 CORS, Monroe County, OH

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

DATE: February 22 2023
 OPERATOR'S WELL NO. Baldy Unit 3H
 API WELL NO
 47 - 103 - 03480
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls
 DISTRICT: Green Margaret COUNTY: Wayne
 SURFACE OWNER: Lancaster Gladys E. Conley Trust; Margaret Lancaster; Richard R. & Mary J. Scyoc; Chesapeake Appalachia, LLC (3); Thomas J. Iacoboni Revocable Trust; ACREAGE: 39.00 76.46875; 105; 15; 15.750; 9.375; 13; 74;
 ROYALTY OWNER: Harry I. Elson; Shiben Estates, Inc. (2); Dale L. Fox; Joyce E. Henry; Betty S. Burns; LEASE NO: ACREAGE: 26; 61; 76.675;
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
 PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled 6,932' TVD
 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 18,291' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

Antero Resources
Well No. Baldy 3H
As-Drilled
 Antero Resources Corporation

Page 1 of 3

MATCH LINE
 Page 2



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
 Bradley D. Miller, P.S. 2167



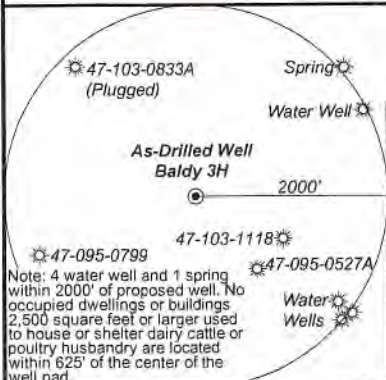
SEAL

Wellhead Layout (NTS)

- Cavatica Unit 1H
API# 47-103-03481
- Cavatica Unit 2H
API# 47-103-03482
- Baldy Unit 1H
API# 47-103-03478
- Baldy Unit 2H
API# 47-103-03479
- As-Drilled Well
Baldy Unit 3H
API# 47-103-03480

Legend

- Proposed gas well
- ⊗ Monument, as noted
- ☀ Existing Well, as noted
- ☀ Digitized Well, as noted
- Creek or Drain
- Road
- County Line
- Surface boundary (approx.)
- Interior surface tracts (approx.)



FILE NO: 109-34-G-18
 DRAWING NO: Baldy 3H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY: Submeter
 PROVEN SOURCE OF ELEVATION: CORS, Monroe County, OH

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

DATE: February 22 2023
 OPERATOR'S WELL NO. Baldy Unit 3H
 API WELL NO
 47 - 103 - 03480
 STATE COUNTY PERMIT

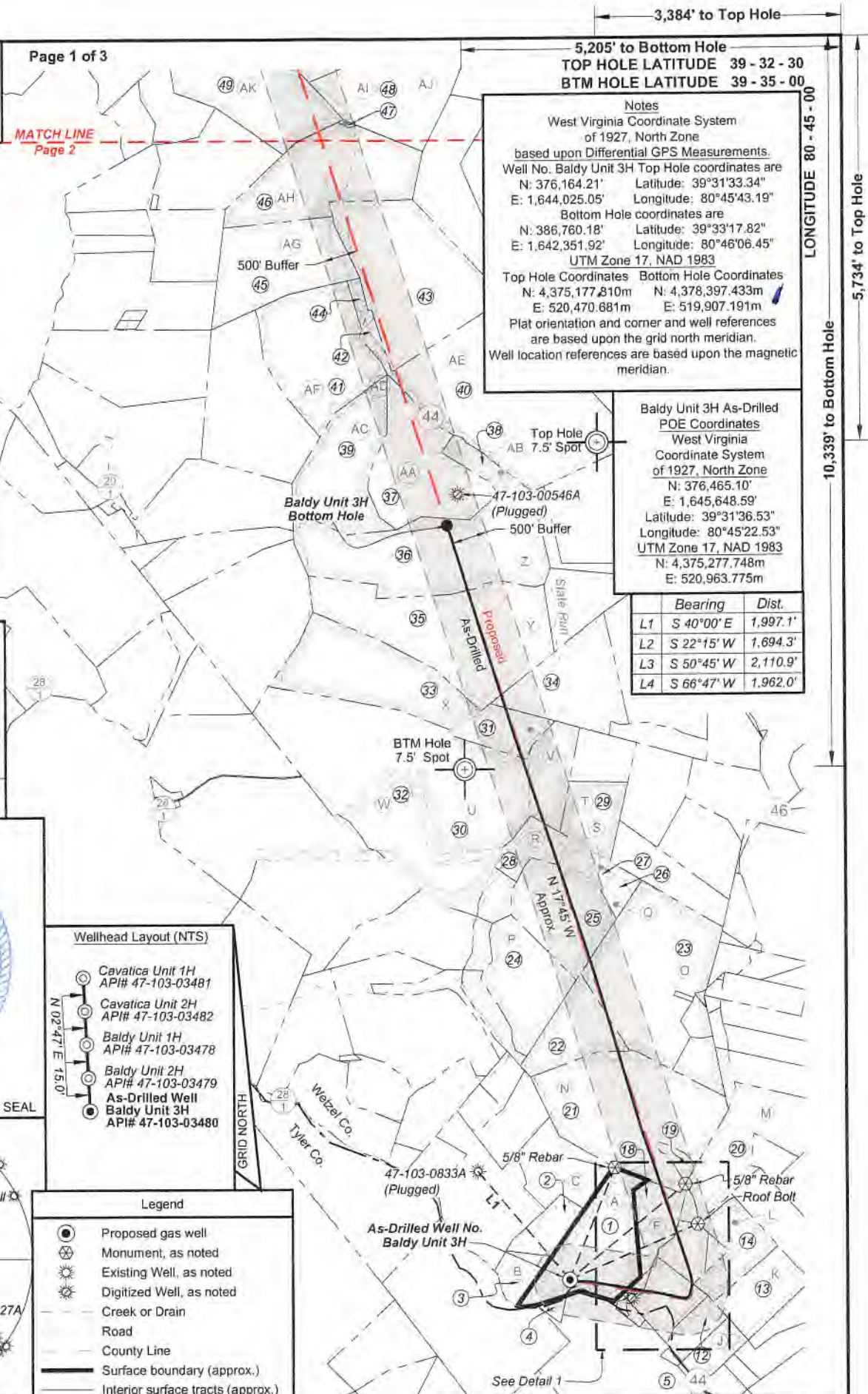
WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls
 DISTRICT: Green Margaret COUNTY: Wayne
 SURFACE OWNER: Lancaster Gladys E. Conley Trust; Margaret Lancaster; Richard R. & Mary J. Scyoc; Chesapeake Appalachia, LLC (3); Thomas J. Iacoboni Revocable Trust; ACREAGE: 39.00
 ROYALTY OWNER: Harry I. Elson; Shiben Estates, Inc. (2); Dale L. Fox; Joyce E. Henry; Betty S. Burns; LEASE NO: ACREAGE: 26.61; 76.675;
 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: 6,932' TVD 18,291' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

Notes
 West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.
 Well No. Baldy Unit 3H Top Hole coordinates are
 N: 376,164.21' Latitude: 39°31'33.34"
 E: 1,644,025.05' Longitude: 80°45'43.19"
 Bottom Hole coordinates are
 N: 386,760.18' Latitude: 39°33'17.82"
 E: 1,642,351.92' Longitude: 80°46'06.45"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,375,177.810m N: 4,378,397.433m
 E: 520,470.681m E: 519,907.191m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.

Baldy Unit 3H As-Drilled POE Coordinates
 West Virginia Coordinate System of 1927, North Zone
 N: 376,465.10'
 E: 1,645,648.59'
 Latitude: 39°31'36.53"
 Longitude: 80°45'22.53"
 UTM Zone 17, NAD 1983
 N: 4,375,277.748m
 E: 520,963.775m

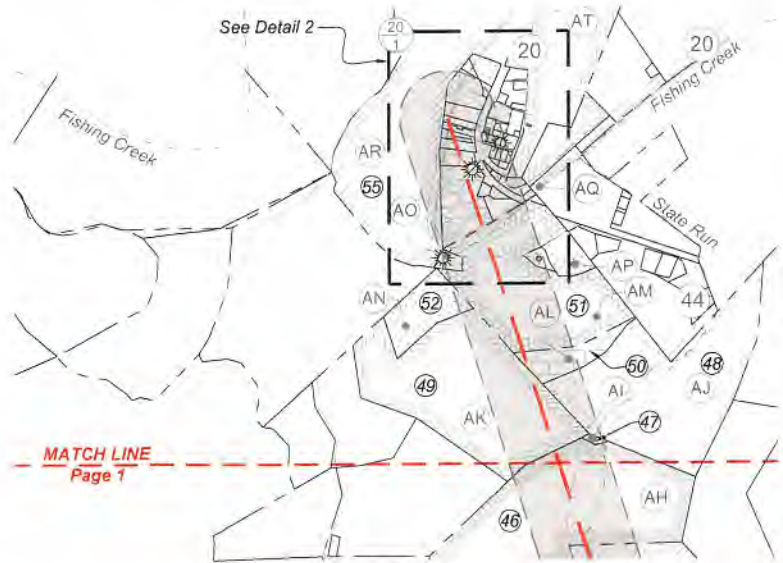
Bearing	Dist.
L1 S 40°00' E	1,997.1'
L2 S 22°15' W	1,694.3'
L3 S 50°45' W	2,110.9'
L4 S 66°47' W	1,962.0'



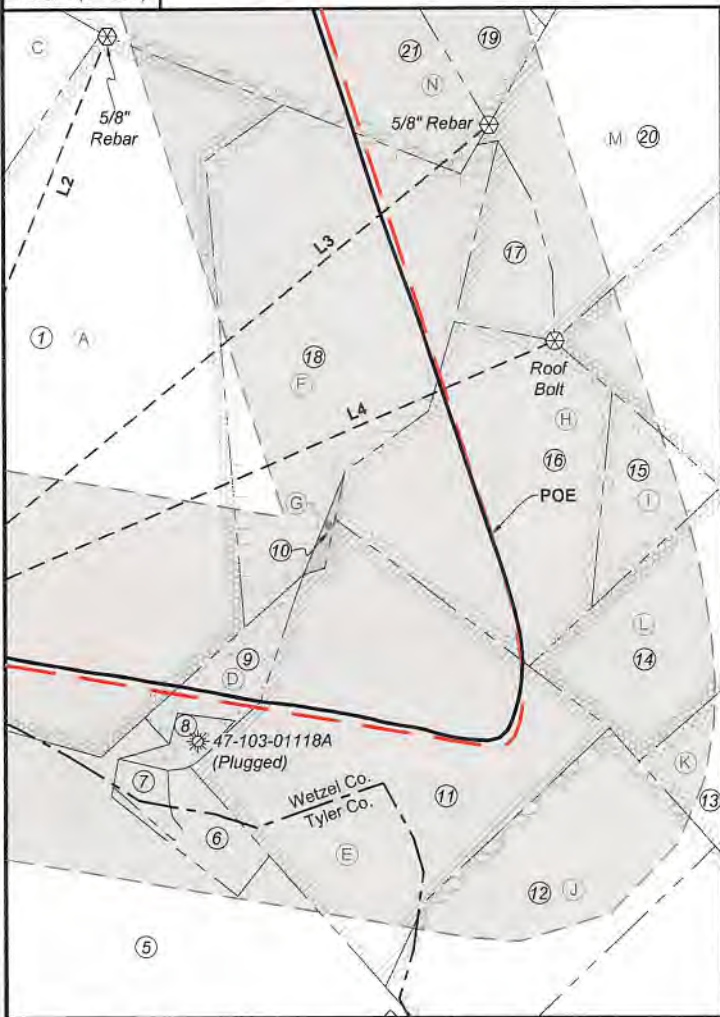
LONGITUDE 80 - 45 - 00
 5,734' to Top Hole
 10,339' to Bottom Hole

08/11/2023

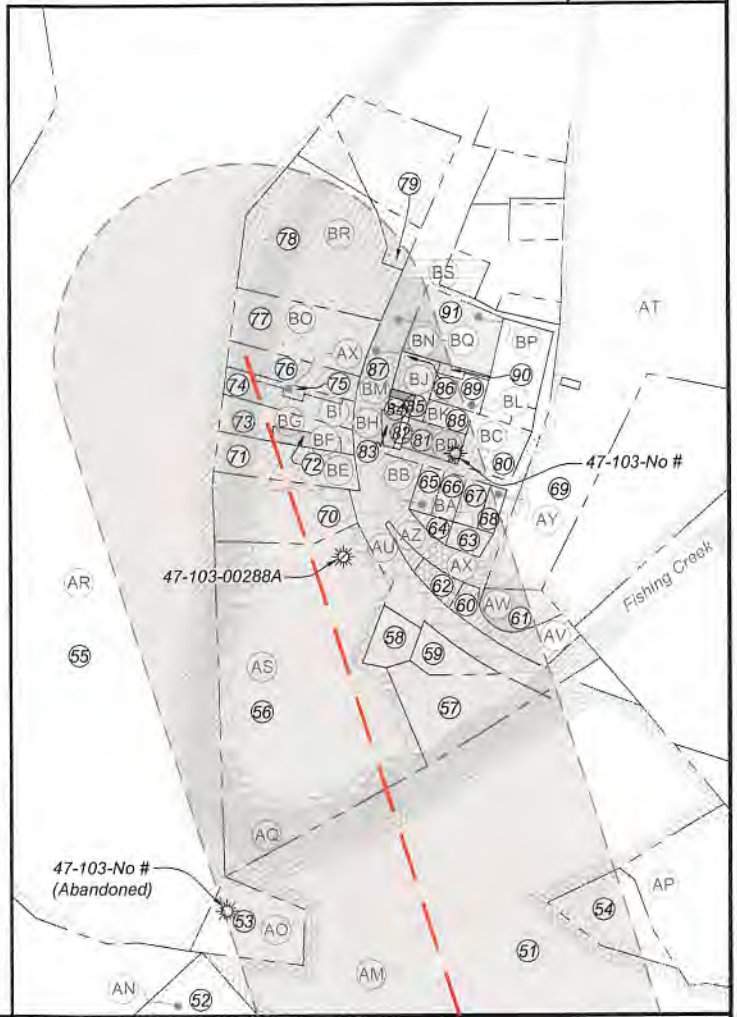
Handwritten signature/initials



Detail 1 (1"=500')



Detail 2 (1"=500')



FILE NO: 109-34-G-18
 DRAWING NO: Baldy 3H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 CORS, Monroe County, OH

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

DATE: February 22 2023
 OPERATOR'S WELL NO. Baldy Unit 3H
 API WELL NO
 47 - 103 - 03480
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls
 DISTRICT: Green Margaret COUNTY: Wetzel 08/11/2023

SURFACE OWNER: Lancaster Gladys E. Conley Trust; Margaret Lancaster; Richard R. & Mary J. Scyoc;
 Chesapeake Appalachia, LLC (3); Thomas J. Iacoboni Revocable Trust; ACREAGE: 39.00 76.46875; 105; 15; 15.750; 9.375; 13; 74; 26; 61; 76.675;
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Antero Resources
Well No. Baldy 3H
As-Drilled
Antero Resources Corporation



Leases	
A	Shiben Estates, Inc.
B	Randy Bradley
C	Richard R. & Mary J. Scyoc
D	Shiben Estates, Inc.
E	Thomas J. Iacoboni Revocable Trust
F	Margaret Lancaster
G	Cecil E. Lancaster
H	Betty S. Burns
I	Black Gold Group, LTD
J	Crystal A. Muzzy
K	Jim R. McHenry
L	Sally Lou Anderson
M	H. Dorn Higginbotham
N	Richard R. & Mary J. Scyoc
O	Chesapeake Appalachia, LLC
P	Joyce E. Henry
Q	David A. Dickey
R	Dale L. Fox
S	Kevin S. Goff, et ux
T	Shiben Estates, Inc.
U	Harry I. Elson
V	Chesapeake Appalachia, LLC
W	Thomas W. Lins
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73	31-31	Rodney D. & Deirda D. Weekley	421 / 658	0.34
74	31-29	Kimberly A. Miller	406 / 527	0.25
75	31-30	Phillip Wiley	379 / 249	0.11
76	31-27.1	Kimberly A. Miller	406 / 527	0.15
77	31-27	Rodney D. Weekley	302 / 79	1.40
78	31-23	Lee E. & Charlotte D. Bassett	395 / 29	1.42
79	31-22	Lee E. & Charlotte D. Bassett	395 / 29	0.50
80	31-11	Christina Booher	482 / 44	0.47
81	31-28	Carl J. Lancaster Estate	W66 / 516	0.28
82	31-26.1	Michael or Melissa Scyoc	461 / 681	0.06
83	31-26	Raymond E. & Catherine H. Lasure	249 / 435	0.09
84	31-25	Raymond E. & Catherine H. Lasure	258 / 151	0.03
85	31-24	Raymond E. & Catherine H. Lasure	249 / 435	0.03
86	31-12	Rodney D. Weekley	302 / 79	0.03
87	31-12.2	Raymond E. & Catherine H. Lasure	249 / 435	0.28
88	31-12.3	Allen G. & Joyce E. Cain	316 / 133	0.16
89	31-12.1	Jody J. Dawson	344 / 149	0.25
90	31-7.1	Jody J. Dawson	344 / 149	0.06
91	31-7	Danny R. & Christina F. Booher	285 / 134	0.80

FILE NO: 109-34-G-18
 DRAWING NO: Baldy 3H As-Drilled
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
 PROVEN SOURCE OF ELEVATION:
 CORS, Monroe County, OH

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

DATE: February 22 2023
 OPERATOR'S WELL NO. Baldy Unit 3H
 API WELL NO
 47 - 103 - 03480
 STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
 LOCATION: ELEVATION: As-Built 1,206' WATERSHED: Fishing Creek QUADRANGLE: Porter Falls
 DISTRICT: Green Margaret COUNTY: Wayne
 SURFACE OWNER: Lancaster Gladys E. Conley Trust; Margaret Lancaster; Richard R. & Mary J. Scyoc; Chesapeake Appalachia, LLC (3); Thomas J. Iacoboni Revocable Trust; ACREAGE: 39.00 76.46875; 105; 15; 15.750; 9.375; 13; 74;
 ROYALTY OWNER: Harry I. Elson; Shiben Estates, Inc. (2); Dale L. Fox; Joyce E. Henry; Betty S. Burns; LEASE NO: ACREAGE: 26; 61; 76.675;
 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: 6,932' TVD 18,291' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Kevin Ellis
 ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.
 Denver, CO 80202 Bridgeport, WV 26330

Hydraulic Fracturing Fluid Product Component Information Disclosure

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Job Start Date:	8/17/2022
Job End Date:	9/26/2022
State:	West Virginia
County:	Wetzel
API Number:	47-103-03480-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	BALDY UNIT 3H
Latitude:	39.52593000
Longitude:	-80.76200000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,939
Total Base Water Volume (gal):	16,588,240
Total Base Non Water Volume:	0



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Produced Water	Halliburton	Base Fluid					
			Water	7732-18-5	100.00000	86.59771	Density = 8.50
Ingredients	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.18307	

HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
MC B-8614A	MultiChem	Biocide					
				Listed Below			
Sand-Premium White-30/70	Halliburton	Proppant					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
Excelerate LX-15	Halliburton	Friction Reducer					
				Listed Below			

FLUID Enviro-Syn HCR-7000-WL	Fluid Energy Group	Acid Replacement						
				Listed Below				
Items above are Trade Names with the exception of Base Water . Items below are the individual ingredients.								
			Crystalline silica, quartz	14808-60-7	100.00000	13.16666		
			Hydrochloric acid	7647-01-0	30.00000	0.04161		
			Complex Amine Compound	Proprietary	60.00000	0.03586		
			Guar gum	9000-30-0	100.00000	0.02687		
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01793		
			Surfactant	Proprietary	5.00000	0.00299		
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00299		
			Glutaraldehyde	111-30-8	30.00000	0.00255		
			Ammonium persulfate	7727-54-0	100.00000	0.00090		
			Ethoxylated alcohols	Proprietary	5.00000	0.00061		
			Alkoxyated polyhydric alcohol	Proprietary	1.00000	0.00060		
			Organic chloride compound	Proprietary	1.00000	0.00060		
			Alkyl (C12-16) dimethylbenzyl ammonium chloride	68424-85-1	5.00000	0.00043		
			Oxylated phenolic resin	Proprietary	30.00000	0.00027		
			Methanol	67-56-1	100.00000	0.00026		
			Proprietary	Proprietary	20.00000	0.00014		
			Ethanol	64-17-5	1.00000	0.00009		
			Modified thiourea polymer	Proprietary	30.00000	0.00008		
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00008		
			Proprietary	Proprietary	10.00000	0.00007		

			Propargyl alcohol	107-19-7	5.00000	0.00001	
			Hexadecene	629-73-2	5.00000	0.00001	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00001	
			Nitrated acetate salt	Proprietary	0.01000	0.00001	
			Sodium hydroxide	1310-73-2	0.01000	0.00001	
			Formaldehyde	50-00-0	0.01000	0.00001	
			Acrylamide	79-06-1	0.01000	0.00001	
			Organic salt #2	Proprietary	0.01000	0.00001	
			Sodium glycolate	2836-32-0	0.01000	0.00001	
			Organic salt #1	Proprietary	0.01000	0.00001	

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- * Total Water Volume sources may include various types of water including fresh water, produced water, and recycled water
- ** Information is based on the maximum potential for concentration and thus the total may be over 100%
- *** If you are calculating a percentage of total ingredients do not add the water volume below the green line to the water volume above the green line

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.
Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)