

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

API 47 - 095 - 02637 County Tyler District Ellsworth
Quad Paden City 7.5' Pad Name Gamehenge Pad Field/Pool Name ----
Farm name Barbara Kay Turner Well Number Maggie Unit 1H
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 4373359.123m Easting 509799.185m
Landing Point of Curve Northing 4373365.07m Easting 509369.56m
Bottom Hole Northing 4377998.612m Easting 508332.894m

Elevation (ft) 1061' 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 8/20/2019 Date drilling commenced 11/27/2019 Date drilling ceased 2/15/2020
Date completion activities began 6/15/2020 Date completion activities ceased 7/24/2020
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

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Freshwater depth(s) ft 363' Open mine(s) (Y/N) depths No WV Department of
Salt water depth(s) ft 1093' Void(s) encountered (Y/N) depths No Environmental Protection
Coal depth(s) ft 550' Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

APPROVED

Reviewed by:
Steve McCoy
06/02/2023

API 47-095 - 02637 Farm name Barbara Kay Turner Well number Maggie Unit 1H

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	24"	20"	80'	New	94#, H-40	N/A	Y
Surface	17-1/2"	13-3/8"	446'	New	54#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2574'	New	36#, H-40	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	22474'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6664'		7.9#, 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	204 sx	15.6	1.18	43	0'	8 Hrs.
Surface	Class A	398 sx	15.6	1.19	85	0'	8 Hrs.
Coal							
Intermediate 1	Class A	876 sx	15.6	1.18	192	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	798 sx (Lead) 3990 sx (Tail)	13.5 (Lead), 15.2 (Tail)	1.53 (Lead), 1.83 (Tail)	822	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 22523' MD, 6360' TVD (BHL), 6486' (Deepest Point Drilled) Loggers TD (ft) 22523' MD
 Deepest formation penetrated Marcellus Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) 5709'

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

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API 47-095 - 02637 Farm name Barbara Kay Turner Well number Maggie Unit 1H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
*PLEASE SEE ATTACHED EXHIBIT 1					

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
*PLEASE SEE ATTACHED EXHIBIT 2								

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API 47- 095 - 02637 Farm name Barbara Kay Turner Well number Maggie Unit 1H

<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>		
<u>Marcellus</u>	<u>6425' (TOP)</u>	<u>TVD</u>	<u>6704' (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 2800 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 10399 mcfpd Oil 486 bpd NGL --- bpd Water 1 bpd GAS MEASURED BY Estimated Orifice Pilot

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

***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 Nine Energy Services
Address 6500 West Fwy City Fort Worth State TX Zip 76116

Cementing Company Halliburton Energy Services
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Stimulating Company Halliburton Energy Services
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 3/31/2023

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

06/02/2023

EXHIBIT 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	5/16/2020	22406.3	22362.8	60	Marcellus
2	5/16/2020	22323.82597	22156.9558	60	Marcellus
3	5/17/2020	22121.18182	21954.3117	60	Marcellus
4	5/17/2020	21918.53766	21751.6675	60	Marcellus
5	5/18/2020	21715.89351	21549.0234	60	Marcellus
6	5/18/2020	21513.24935	21346.3792	60	Marcellus
7	5/19/2020	21310.60519	21143.7351	60	Marcellus
8	5/19/2020	21107.96104	20941.0909	60	Marcellus
9	5/20/2020	20905.31688	20738.4468	60	Marcellus
10	5/20/2020	20702.67273	20535.8026	60	Marcellus
11	5/20/2020	20500.02857	20333.1584	60	Marcellus
12	5/22/2020	20297.38442	20130.5143	60	Marcellus
13	5/22/2020	20094.74026	19927.8701	60	Marcellus
14	5/22/2020	19892.0961	19725.226	60	Marcellus
15	5/23/2020	19689.45195	19522.5818	60	Marcellus
16	5/24/2020	19486.80779	19319.9377	60	Marcellus
17	5/24/2020	19284.16364	19117.2935	60	Marcellus
18	5/25/2020	19081.51948	18914.6494	60	Marcellus
19	5/25/2020	18878.87532	18712.0052	60	Marcellus
20	5/26/2020	18676.23117	18509.361	60	Marcellus
21	5/26/2020	18473.58701	18306.7169	60	Marcellus
22	5/26/2020	18270.94286	18104.0727	60	Marcellus
23	5/27/2020	18068.2987	17901.4286	60	Marcellus
24	5/27/2020	17865.65455	17698.7844	60	Marcellus
25	5/28/2020	17663.01039	17496.1403	60	Marcellus
26	5/28/2020	17460.36623	17293.4961	60	Marcellus
27	5/28/2020	17257.72208	17090.8519	60	Marcellus
28	5/28/2020	17055.07792	16888.2078	60	Marcellus
29	5/28/2020	16852.43377	16685.5636	60	Marcellus
30	5/29/2020	16649.78961	16482.9195	60	Marcellus
31	5/29/2020	16447.14545	16280.2753	60	Marcellus
32	5/29/2020	16244.5013	16077.6312	60	Marcellus
33	5/29/2020	16041.85714	15874.987	60	Marcellus
34	5/29/2020	15839.21299	15672.3429	60	Marcellus
35	5/30/2020	15636.56883	15469.6987	60	Marcellus
36	5/30/2020	15433.92468	15267.0545	60	Marcellus
37	5/30/2020	15231.28052	15064.4104	60	Marcellus
38	5/30/2020	15028.63636	14861.7662	60	Marcellus
39	5/30/2020	14825.99221	14659.1221	60	Marcellus
40	5/31/2020	14623.34805	14456.4779	60	Marcellus
41	5/31/2020	14420.7039	14253.8338	60	Marcellus
42	5/31/2020	14218.05974	14051.1896	60	Marcellus
43	5/31/2020	14015.41558	13848.5455	60	Marcellus
44	5/31/2020	13812.77143	13645.9013	60	Marcellus
45	6/1/2020	13610.12727	13443.2571	60	Marcellus
46	6/1/2020	13407.48312	13240.613	60	Marcellus
47	6/1/2020	13204.83896	13037.9688	60	Marcellus
48	6/1/2020	13002.19481	12835.3247	60	Marcellus
49	6/2/2020	12799.55065	12632.6805	60	Marcellus
50	6/2/2020	12596.90649	12430.0364	60	Marcellus
51	6/2/2020	12394.26234	12227.3922	60	Marcellus
52	6/2/2020	12191.61818	12024.7481	60	Marcellus
53	6/2/2020	11988.97403	11822.1039	60	Marcellus
54	6/2/2020	11786.32987	11619.4597	60	Marcellus
55	6/3/2020	11583.68571	11416.8156	60	Marcellus
56	6/3/2020	11381.04156	11214.1714	60	Marcellus
57	6/3/2020	11178.3974	11011.5273	60	Marcellus
58	6/3/2020	10975.75325	10808.8831	60	Marcellus
59	6/3/2020	10773.10909	10606.239	60	Marcellus
60	6/4/2020	10570.46494	10403.5948	60	Marcellus
61	6/4/2020	10367.82078	10200.9506	60	Marcellus
62	6/4/2020	10165.17662	9998.30649	60	Marcellus
63	6/4/2020	9962.532468	9795.66234	60	Marcellus
64	6/4/2020	9759.888312	9593.01818	60	Marcellus
65	6/5/2020	9557.244156	9390.37403	60	Marcellus
66	6/5/2020	9354.6	9187.72987	60	Marcellus
67	6/5/2020	9151.955844	8985.08571	60	Marcellus
68	6/5/2020	8949.311688	8782.44156	60	Marcellus
69	6/5/2020	8746.667532	8579.7974	60	Marcellus
70	6/6/2020	8544.023377	8377.15325	60	Marcellus
71	6/6/2020	8341.379221	8174.50909	60	Marcellus
72	6/6/2020	8138.735065	7971.86494	60	Marcellus
73	6/6/2020	7936.090909	7769.22078	60	Marcellus
74	6/6/2020	7733.446753	7566.57662	60	Marcellus
75	6/7/2020	7530.802597	7363.93247	60	Marcellus
76	6/7/2020	7328.158442	7161.28831	60	Marcellus
77	6/7/2020	7125.514286	6958.64416	60	Marcellus
78	6/7/2020	6922.87013	6756	60	Marcellus

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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	5/16/2020	93.83	9322	6607	3425	171480	5129.762	N/A
2	5/16/2020	92.44	9718	5811	3940	239540	5702.5	N/A
3	5/17/2020	91.72	9847	5710	3904	261820	7380.167	N/A
4	5/17/2020	84.49	9022	5459	3554	262680	7172.381	N/A
5	5/18/2020	85.82	9773	5534	3273	261880	7220.762	N/A
6	5/18/2020	66.38	9855	5538	3358	265940	9156.095	N/A
7	5/19/2020	85.31	9426	5259	3260	261570	7259.786	N/A
8	5/19/2020	93.97	10024	5251	3402	260930	7176.476	N/A
9	5/20/2020	93.6	9767	4864	3519	261060	7153.738	N/A
10	5/20/2020	96.01	9853	5311	3359	259230	7177.667	N/A
11	5/20/2020	96.56	9783	5199	3505	269940	7242.024	N/A
12	5/22/2020	86.29	8691	5607	4038	265560	15139.02	N/A
13	5/22/2020	93.39	10038	5085	3811	262520	7139.476	N/A
14	5/22/2020	93.27	9792	4267	3522	274430	7231.548	N/A
15	5/23/2020	93.36	9677	3964	3441	263110	7261.214	N/A
16	5/24/2020	95.7	9760	4135	3382	265970	7258.881	N/A
17	5/24/2020	93.32	9950	5150	3364	262900	7244.167	N/A
18	5/25/2020	95.73	9067	5467	3855	262960	7191.476	N/A
19	5/25/2020	88	8978	5286	3759	265370	7064.714	N/A
20	5/26/2020	95.3	9374	4046	3776	263730	7073.429	N/A
21	5/26/2020	94.57	9345	5310	4043	264740	7097.929	N/A
22	5/26/2020	96.43	9224	5244	3642	269970	7085.31	N/A
23	5/27/2020	93.71	9839	8884	3717	262130	7077.452	N/A
24	5/27/2020	95.98	9071	5889	3830	266020	7115.619	N/A
25	5/28/2020	91.9	9854	5748	3859	265630	7030.238	N/A
26	5/28/2020	93.75	9068	5757	4354	264130	7098.714	N/A
27	5/28/2020	93.28	9209	5431	4298	271000	7013.952	N/A
28	5/28/2020	95.26	9056	5625	3889	271470	7131.357	N/A
29	5/28/2020	92.68	9787	5630	3430	268470	6959.143	N/A
30	5/29/2020	95.47	8982	5191	3925	267960	7013.31	N/A
31	5/29/2020	95.99	9493	4315	3741	263030	6963.048	N/A
32	5/29/2020	97.38	8972	6349	3661	268710	6930.619	N/A
33	5/29/2020	93.3	9472	5486	3548	268080	7083.595	N/A
34	5/29/2020	95.33	9385	5547	3871	263920	6792.476	N/A
35	5/30/2020	94.28	9656	5649	3322	265980	6783.738	N/A
36	5/30/2020	97.41	8973	5811	3950	264700	8368.167	N/A
37	5/30/2020	97.46	9582	6106	3735	266840	6895.881	N/A
38	5/30/2020	96.42	8995	5515	3751	263870	6791.167	N/A
39	5/30/2020	97.9	9619	4224	3464	266660	6823.214	N/A
40	5/31/2020	98.35	8824	5304	3451	266410	6803.024	N/A
41	5/31/2020	97.49	9189	6216	3360	267150	6875.929	N/A
42	5/31/2020	97.75	8915	5340	2704	265880	6786.81	N/A
43	5/31/2020	95.07	8997	5301	3577	266960	6877.738	N/A
44	5/31/2020	97.35	8694	4882	3706	264520	6802.976	N/A
45	6/1/2020	95.49	8905	5382	3540	267850	6751.524	N/A
46	6/1/2020	96.34	8723	5683	3647	265980	6909.738	N/A
47	6/1/2020	95.95	9036	5633	3498	265090	6723.238	N/A
48	6/1/2020	98.14	9023	4929	3694	265100	6691.31	N/A
49	6/2/2020	98.15	9068	4066	3861	264770	6713.357	N/A
50	6/2/2020	96.22	9046	5165	3628	266070	6696.31	N/A
51	6/2/2020	94.87	8847	5054	3632	264740	6707.119	N/A
52	6/2/2020	87.99	8868	5816	3593	263120	6826.571	N/A
53	6/2/2020	95.97	8893	5506	3998	267510	6695.667	N/A
54	6/2/2020	92.5	8849	5084	3502	265320	6658.976	N/A
55	6/3/2020	97.53	8561	4522	3453	263930	6678.929	N/A
56	6/3/2020	96.56	8686	5395	3749	264680	6703.476	N/A
57	6/3/2020	97.01	8500	5257	3714	264480	6740.738	N/A
58	6/3/2020	97.81	8391	5285	3705	263710	6686.643	N/A
59	6/3/2020	98.01	8550	5594	3911	264980	6704.095	N/A
60	6/4/2020	98.77	8345	5408	3504	265150	6680.143	N/A
61	6/4/2020	97.92	8670	5529	3752	267000	6627.214	N/A
62	6/4/2020	98.25	8315	5266	3583	268120	6821.619	N/A
63	6/4/2020	98.09	8431	5708	3386	270510	6851.381	N/A
64	6/4/2020	98.21	8154	4109	4355	271090	6759.833	N/A
65	6/5/2020	97.93	8418	5418	3664	262900	6622.048	N/A
66	6/5/2020	98.07	8090	5670	3821	267720	6767.048	N/A
67	6/5/2020	98.24	7950	5737	3671	266760	6756.143	N/A
68	6/5/2020	98.35	8016	5691	3580	264880	6793.595	N/A
69	6/5/2020	98.08	8045	5145	3933	257750	6631.333	N/A
70	6/6/2020	98.35	7993	5460	3746	262650	6654.286	N/A
71	6/6/2020	98.74	8037	5604	3467	267630	6701.071	N/A
72	6/6/2020	98.77	7862	5595	3697	265820	6800.214	N/A
73	6/6/2020	98.65	7682	5500	4145	262130	6740.5	N/A
74	6/6/2020	97.51	7593	5280	3746	261100	6618.81	N/A
75	6/7/2020	98.29	7672	5701	3596	264200	6629.952	N/A
76	6/7/2020	98.55	7571	5388	4112	262640	6554.619	N/A
77	6/7/2020	96.78	7237	5461	4248	266410	7179.69	N/A
78	6/7/2020	98.61	7293	5756	3719	266820	7192.19	N/A
	AVG=	93.1	9,447	5,434	3,666	10,759,490	298,109	TOTAL

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EXHIBIT 3

LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	75	175	75	175
Siltstone	175	275	175	275
Shaly Siltstone	275	335	275	335
Silty Shale	335	555	335	555
Silty Sandstone	555	575	555	575
Shale	575	955	575	955
Shaly Sandstone	955	1,035	955	1,035
Sandstone	1,035	1,215	1,035	1,215
Sandy Shale	1,215	1,255	1,215	1,255
Shaly Siltstone	1,255	1,315	1,255	1,315
Sandstone	1,315	1,435	1,315	1,435
Shaly Sandstone	1,435	1,515	1,435	1,515
Sandy Shale	1,515	1,533	1,515	N/A
Big Lime	1,548	2,117	1,554	2,162
Fifty Foot Sandstone	2,117	2,349	2,147	2,403
Gordon	2,349	2,653	2,388	2,719
Fifth Sandstone	2,653	2,748	2,704	2,817
Bayard	2,748	3,584	2,802	3,690
Speechley	3,584	3,724	3,675	3,835
Balltown	3,724	4,222	3,820	4,352
Bradford	4,222	4,530	4,337	4,674
Benson	4,530	4,903	4,659	5,062
Alexander	4,903	5,911	5,047	6,200
Sycamore	5,783	5,881	6,037	6,170
Middlesex	5,881	5,971	6,185	6,355
Burkett	5,971	5,992	6,370	6,414
Tully	5,992	6,010	6,429	6,481
Marcellus	6,010	NA	6,481	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.

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Antero Resources
Well No. Maggie Unit 1H
As-Drilled
Antero Resources Corporation



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

Note: 1 water wells and 2 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.



FILE NO: 283-54-E-17
 DRAWING NO: Maggie 1H Well Plat
 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: March 29 2023
 OPERATOR'S WELL NO. Maggie Unit 1H
 API WELL NO
 47 - 095 - 02637
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Drilled 1061' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
 DISTRICT: Ellsworth / Lincoln COUNTY: Boone
 SURFACE OWNER: Barbara Kay Turner ACREAGE: 26.18
 ROYALTY OWNER: Linda L. Newbrough; Jack Russell Folger, et ux; Stanley M. & Irene K. Koterba; Sarah Valentour Nass LEASE NO: ACREAGE: 33.25; 74.47; 64;

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: 22,523' 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

8,123' to Bottom Hole

3,333' to Top Hole

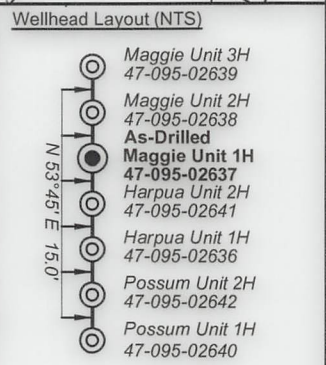
TOP HOLE LAT 39 - 32 - 30
 BTM HOLE LAT 39 - 35 - 00

LONGITUDE 80 - 52 - 30
 11,452' to Bottom Hole
 11,582' to Top Hole

Legend

- Proposed gas well
- Existing Well, as noted
- Found corner, as noted
- Digitized Well
- 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. Maggie Unit 1H Top Hole coordinates are
 N: 370,781.76' Latitude: 39°30'35.02"
 E: 1,608,907.19' Longitude: 80°53'10.26"
 Bottom Hole coordinates are
 N: 386,086.55' Latitude: 39°33'05.58"
 E: 1,604,349.28' Longitude: 80°54'11.46"
 UTM Zone 17, NAD 1983
 Top Hole Coordinates Bottom Hole Coordinates
 N: 4,373,359.123m N: 4,377,998.612m
 E: 509,799.185m E: 508,332.894m
 Plat orientation and corner and well references are based upon the grid north meridian.
 Well location references are based upon the magnetic meridian.



	Bearing	Dist.
L1	N 02°24' W	1,462.9'
L2	N 58°00' E	2,787.9'
L3	S 63°10' E	2,077.4'
L4	S 29°44' E	1,069.7'



FILE NO: 283-54-E-17
 DRAWING NO: Maggie 1H Well Plat
 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: March 29 2023
 OPERATOR'S WELL NO. Maggie Unit 1H
 API WELL NO
 47 - 095 - 02637
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Drilled 1061' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
 DISTRICT: Ellsworth / Lincoln COUNTY: Tyler
 SURFACE OWNER: Barbara Kay Turner ACREAGE: 26.18
 ROYALTY OWNER: Linda L. Newbrough; Jack Russell Folger, et ux; Stanley M. & Irene K. Koterba; Sarah Valentour Nass LEASE NO: _____ ACREAGE: 33.25; 74.47; 64;
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,523' 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

06/02/2023

Lincoln District				Ellsworth District					
ID	TM / Par	Owner(s)	Book / Page	Acres	ID	TM / Par	Owner(s)	Book / Page	Acres
67	9 / 41	Roger J. Morgan II	327 / 31	1.40	1	15 / 18	Barbara Kay Turner	398 / 670	26.18
68	9 / 41.2	Rodney L. & Brenda K. Morgan	342 / 121	0.517	2	14 / 26	Barbara Kay Turner	398 / 670	26.34
69	9 / 41.1	Nancy M. Morgan	269 / 629	0.99	3	14 / 27	Ridgetop Capital LP	372 / 299	64.96
70	9 / 39	Nancy M. Morgan	157 / 512	0.42	4	15 / 19	David Menderhall, et al	282 / 723	45.00
71	9 / 44	Diane W. Clark	WB 39 / 544	40.681	5	15 / 17	Timothy Aiken, et al	288 / 662	85.71
72	9 / 44.1	Rodney L. & Brenda K. Morgan	297 / 137	5.299	6	15 / 37	John D. Mendenhall & Jeffrey A. Davis	444 / 531	154.17
73	9 / 38.3	David Dean & Whitney C. Cooper	438 / 62	12.131	7	14 / 25	Stanley M. Koterba, et al	331 / 32	126.05
74	9 / 37	William Bassett	WB 30 / 15	0.92	8	14 / 11	Larry R. Henthorn	270 / 363	21.50
75	9 / 37.1	Dottie Marie Perrine	WB 30 / 15	0.41	9	9 / 61	Larry R. Henthorn	212 / 606	10.00
76	9 / 38	Charles O. Rice	157 / 293	1.31	10	9 / 60	James F. & Phyllis Henthorn	190 / 311	36.47
77	9 / 33	Jefferson Minerals LLC	438 / 66	69.169	11	10 / 63	Larry R. & Kim M. Henthorn	355 / 654	1.00
78	9 / 34	James Lee & Michael E. Sine	438 / 427	125.60	12	10 / 62	Haessley Land & Timber, LLC	334 / 833	268.91
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80	9 / 31	Russell L. & Mary E. Myers	347 / 263	31.451	14	9 / 49	Claudia Jean Gray	WB 29 / 220	15.15
81	9 / 31.1	Russell L. & Mary E. Myers	340 / 654	38.04	15	9 / 48.2	Kirk Family Trust	511 / 167	0.33
82	9 / 21	Thomas K. Brotherton	23 / 310	64.00	16	9 / 48.4	Francis D. & Barbara Ann Slider	290 / 347	3.64
83	9 / 19	Russell L. & Mary E. Myers	337 / 26	93.167	17	9 / 48.5	Kathleen (Baxter) Fluharty	291 / 212	0.929

ID	Lease
A	Linda L. Newbrough
B	Naomi V. Beagle
C	Jack Russell Folger, et ux
D	Daria S. Colombo
E	Dianne T. Carpenter
F	Stanley M. Koterba & Irene E. Koterba
G	Sarah Valentour Nass
H	Larry R. Henthorn
J	Phyllis M. & James F. Henthorn, Sr.
K	Rosemary Haught
L	Phyllis M. & James F. Henthorn, Sr.
M	Larry R. Henthorn
N	Brandy I. Ankrom
P	J&N Management Enterprises, LLC
Q	Charles F. Eddy
R	Emily Day
S	Michael P. & Sherri J. Tuttle
T	Bobby S. & Sue Marie Adams
U	Roger Ankrom
V	Union Bank Lease
W	John E. Roberts
X	Waco Oil & Gas, Inc.
Y	Nancy J. Squires
Z	David E. Bowyer
AA	Charles M. Ferrell
AB	H3, LLC
AC	Sara Blanche Lilly
AD	Sara Blanche Lilly
AE	Nancy J. Squires
AF	Larry Henthorn
AG	Pamela Oakley-Whitting
AH	Jefferson Minerals, LLC
AI	Roger Morgan
AJ	Kathryn L. Watkins
AK	Diane W. Kestle
AL	Nancy Templeton
AM	Michael D. Reynolds
AN	Bounty Minerals, LLC
AO	Timothy L. Vancamp
AP	Lazears Chapel Church, Non-Profit Organization
AQ	Melanie Dye
AR	Herman Haught & Betty Haught, Individually & JTWROS
AS	Shaun Potts, et ux
AT	Thomas Skinner
AU	Rodney Morgan, et ux
AV	Nancy Morgan
AW	Kathleen Pierce

18	9 / 48.3	Larry Ronald Henthorn	290 / 166	0.323
19	9 / 43	Catherine L. Bennett	217 / 376	0.72
20	9 / 48.7	Kathleen (Baxter) Fluharty	332 / 216	0.548
21	9 / 48	Michael D. & Martha K. Pierpoint	332 / 514	2.82
22	9 / 25	Michael & Sherri Tuttle	319 / 341	24.52
23	9 / 29	Frank Ankrom	203 / 195	13.30
24	9 / 44	Mariyn Ankrom & Brady Ankrom	WB 47 / 269	20.00
25	10 / 29	Robert P. Thomas & Sharon L. Thomas	335 / 366	30.00
26	10 / 30	Robert P. Thomas & Sharon L. Thomas	335 / 366	35.75
27	10 / 28.1	Paul William Kirk	355 / 551	38.008
28	9 / 27	Mariyn Ankrom & Brady Ankrom	WB 47 / 269	17.35
29	9 / 27.1	Patty Henthorn & Melanie Dye	232 / 688	0.37
30	9 / 27.2	Herman & Betty Haught	250 / 484	0.23
31	9 / 26.1	Lazear Chapel Trustees	283 / 523	0.06
32	9 / 28	Lazear Chapel Methodist	— / —	2.21
33	9 / 26	Mariyn Ankrom & Brady Ankrom	WB 47 / 269	18.94
34	9 / 24	Bob S. & Sue Marie Adams	204 / 599	7.148
35	9 / 15.1	Thomas Skinner & Marilyn Sure Skinner	226 / 477	0.713
36	9 / 15.2	Par Mar Realty Company	534 / 407	3.091
37	9 / 15.3	Fred Midcap	351 / 7	44.00
38	9 / 22	Shawn Allen & Cathy A. Potts	291 / 217	0.98
39	10 / 28	John E. Roberts	WB 30 / 142	38.99
40	9 / 65	Julia A. & Nile A. Archer	340 / 225	3.00
41	9 / 16	Sara A. Midcap	181 / 278	96.78
42	9 / 15	Heartwood Forestland Fund II LP	326 / 547	225.64
43	9 / 2	William & Margaret A. Garrett	284 / 41	22.19
44	9 / 3.1	Big Run Properties, LLC	569 / 286	2.34
45	9 / 64	Carol Morgan, et al	262 / 459	0.97
46	9 / 5.1	John W. Starkey	255 / 571	2.55
47	9 / 5.2	Ronald Lee Cooper	329 / 471	7.49
48	9 / 5.3	James M. & Sherry L. Starkey	287 / 381	7.58
49	9 / 5	Leslie E. Steven, Heirs & Meryl L. Stevens	287 / 381	0.18
50	9 / 17.1	Julia A. Archer	571 / 671	3.678
51	9 / 17.2	Julia A. Archer	571 / 671	1.904
52	9 / 17.3	Friendly Public Service District	363 / 485	0.23
53	9 / 17	Daniel J. & Rebecca B. Stillwagoner	562 / 565	47.30
54	9 / 19	John E. Roberts	185 / 263	22.67
55	9 / 10	James K. & Kristy Fletcher Wade	320 / 231	1.061
56	9 / 10.1	Kevin Fletcher	320 / 235	0.443
57	9 / 9	Calvary Apostolic Church Trustees	400 / 573	2.00
58	9 / 13.3	James R. & Beverly A. Underwood	335 / 266	0.778
59	9 / 11	James R. & Beverly A. Underwood	359 / 492	0.35
60	9 / 8	Gary A. & Penny K. Midcap	324 / 542	1.42
61	9 / 7	Larry & Kim Henthorn	330 / 536	2.52
62	9 / 13.1	Timothy L. Connie J. McHenry	242 / 681	10.83
63	9 / 7.1	Donald D. Henthorn & Deitra Kay Moore	309 / 196	2.09
64	9 / 7.2	Donald D. Henthorn & Deitra Kay Moore	330 / 536	8.00
65	9 / 4	Donald D. & Deitra Kay Henthorn	330 / 536	0.21
66	9 / 42	Larry G. & Neoma A. Spratt	310 / 705	24.64

FILE NO: 283-54-E-17
DRAWING NO: Maggie 1H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV



DATE: March 29 2023
OPERATOR'S WELL NO. Maggie Unit 1H
API WELL NO
47 - 095 - 02637
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Drilled 1061' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
DISTRICT: Ellsworth / Lincoln COUNTY: Tyler
SURFACE OWNER: Barbara Kay Turner ACREAGE: 26.18
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 PLUG AND ABANDON CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 22,523' 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. Maggie Unit 1H
As-Drilled
Antero Resources Corporation



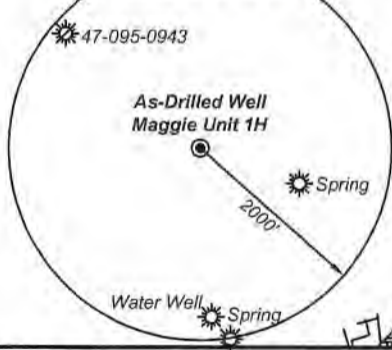
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation, Allegheny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.



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

Note: 1 water wells and 2 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.



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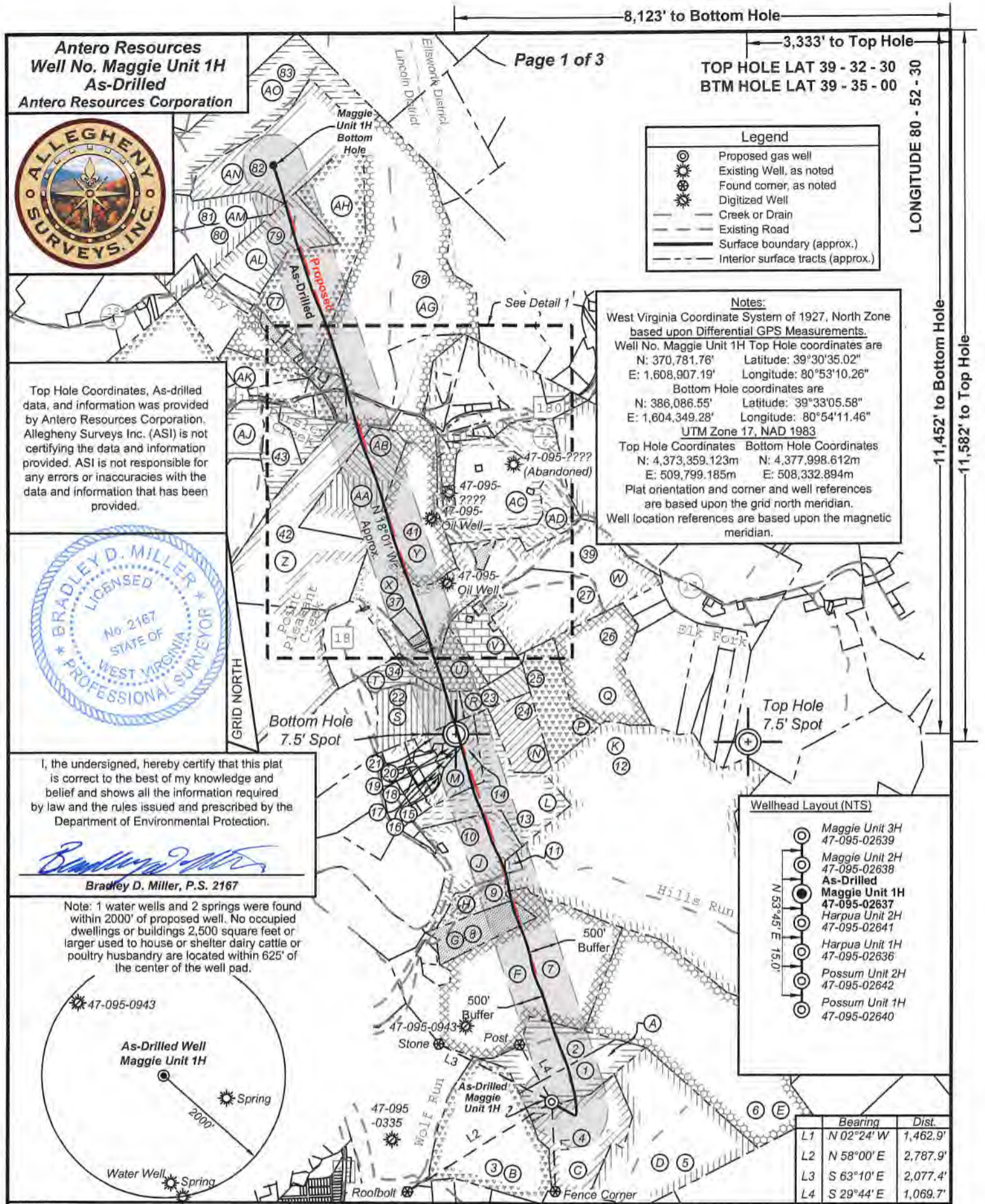
STATE OF WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL AND GAS DIVISION

DATE: March 29 2023
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47 - 095 - 02637
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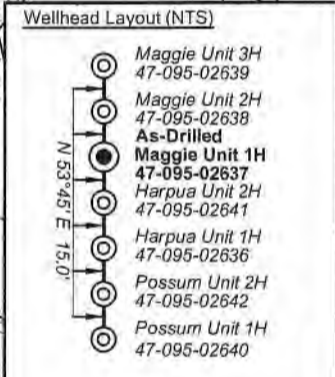
WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Dianna Stamper - CT Corporation System
 ADDRESS: 1615 Wynkoop Street ADDRESS: 5400 D Big Tyler Road
Denver, CO 80202 Charleston, WV 25313



Legend

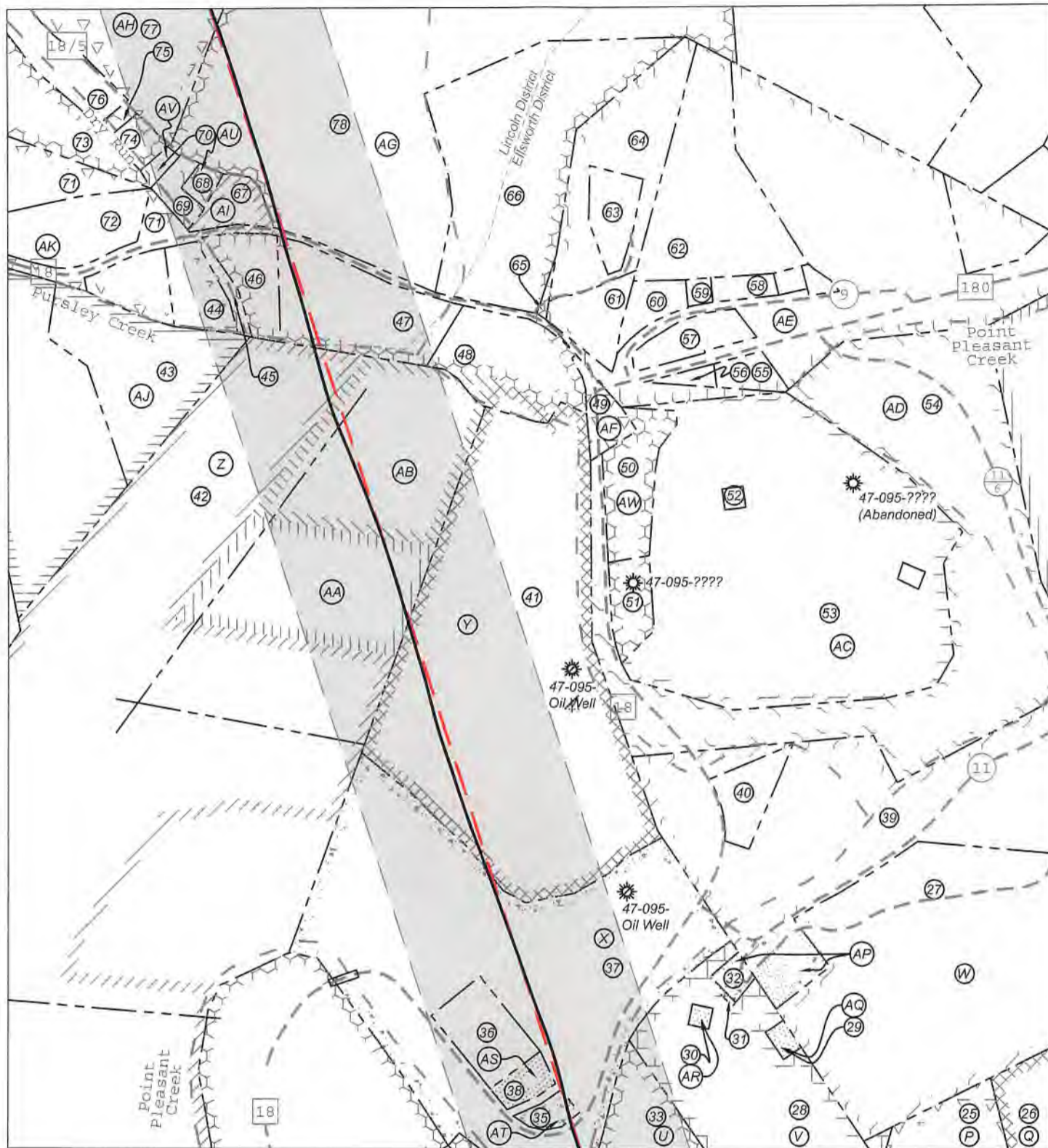
- Proposed gas well
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- Surface boundary (approx.)
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Notes:
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	Bearing	Dist.
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JM



FILE NO: 283-54-E-17
 DRAWING NO: Maggie 1H Well Plat
 SCALE: 1" = 2000'
 MINIMUM DEGREE OF ACCURACY:
 Submeter
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 WVDOT, Harrisville, WV

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



DATE: March 29 2023
 OPERATOR'S WELL NO. Maggie Unit 1H
 API WELL NO
 47 - 095 - 02637
 STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Drilled 1061' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City

DISTRICT: Ellsworth / Lincoln

SURFACE OWNER: Barbara Kay Turner

ROYALTY OWNER: Linda L. Newbrough, Jack Russell Folger, et ux; Stanley M. & Irene K. Koterba; Sarah Valentour Nass

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: 22,523' 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

0.713; 81.3; 1;
 62.84375; 45;
 113.725; 21.5; 10;
 195.47; 36.47;
 46.12; 74.169;
 15.12; 7.30;
 48.78; 19; 60; 12.5;
 15; 4.6; 285.00625;
 33.25; 74.47; 64;

COUNTY: Tyler

ACREAGE: 26.18

LEASE NO: 06/02/2023

ACREAGE: 33.25; 74.47; 64;

Lincoln District				Ellsworth District					
ID	TM / Par	Owner(s)	Book / Page	Acres	ID	TM / Par	Owner(s)	Book / Page	Acres
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AH	Jefferson Minerals, LLC
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AJ	Kathym L. Watkins
AK	Diane W. Kestle
AL	Nancy Templeton
AM	Michael D. Reynolds
AN	Bounty Minerals, LLC
AO	Timothy L. Vancamp
AP	Lazears Chapel Church, Non-Profit Organization
AQ	Melanie Dye
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27	10 / 28.1	Paul William Kirk	355 / 551	38.008
28	9 / 27	Mariyn Ankrom & Brady Ankrom	WB 47 / 269	17.35
29	9 / 27.1	Patty Henthom & Melanie Dye	232 / 688	0.37
30	9 / 27.2	Herman & Betty Haught	250 / 484	0.23
31	9 / 26.1	Lazear Chapel Trustees	283 / 523	0.06
32	9 / 28	Lazear Chapel Methodist	--- / ---	2.21
33	9 / 26	Mariyn Ankrom & Brady Ankrom	WB 47 / 269	18.94
34	9 / 24	Bob S. & Sue Marie Adams	204 / 599	7.148
35	9 / 15.1	Thomas Skinner & Marilyn Sure Skinner	226 / 477	0.713
36	9 / 15.2	Par Mar Realty Company	534 / 407	3.091
37	9 / 15.3	Fred Midcap	351 / 7	44.00
38	9 / 22	Shawn Allen & Cathy A. Potts	291 / 217	0.98
39	10 / 28	John E. Roberts	WB 30 / 142	38.99
40	9 / 65	Julia A. & Nile A. Archer	340 / 225	3.00
41	9 / 16	Sara A. Midcap	181 / 278	96.78
42	9 / 15	Heartwood Forestland Fund II LP	326 / 547	225.64
43	9 / 2	William & Margaret A. Garrett	284 / 41	22.19
44	9 / 3.1	Big Run Properties, LLC	569 / 286	2.34
45	9 / 64	Carol Morgan, et al	262 / 459	0.97
46	9 / 5.1	John W. Starkey	255 / 571	2.55
47	9 / 5.2	Ronald Lee Cooper	329 / 471	7.49
48	9 / 5.3	James M. & Sherry L. Starkey	287 / 381	7.58
49	9 / 5	Leslie E. Steven, Heirs & Meryl L. Stevens	287 / 381	0.18
50	9 / 17.1	Julia A. Archer	571 / 671	3.678
51	9 / 17.2	Julia A. Archer	571 / 671	1.904
52	9 / 17.3	Friendly Public Service District	363 / 485	0.23
53	9 / 17	Daniel J. & Rebecca B. Stillwagoner	562 / 565	47.30
54	9 / 19	John E. Roberts	185 / 263	22.67
55	9 / 10	James K. & Kristy Fletcher Wade	320 / 231	1.061
56	9 / 10.1	Kevin Fletcher	320 / 235	0.443
57	9 / 9	Calvary Apostolic Church Trustees	400 / 573	2.00
58	9 / 13.3	James R. & Beverly A. Underwood	335 / 266	0.778
59	9 / 11	James R. & Beverly A. Underwood	359 / 492	0.35
60	9 / 8	Gary A. & Penny K. Midcap	324 / 542	1.42
61	9 / 7	Larry & Kim Henthom	330 / 536	2.52
62	9 / 13.1	Timothy L. Connie J. McHenry	242 / 681	10.83
63	9 / 7.1	Donald D. Henthom & Deitra Kay Moore	309 / 196	2.09
64	9 / 7.2	Donald D. Henthom & Deitra Kay Moore	330 / 536	8.00
65	9 / 4	Donald D. & Deitra Kay Henthom	330 / 536	0.21
66	9 / 42	Larry G. & Neoma A. Spratt	310 / 705	24.64

FILE NO: 283-54-E-17
DRAWING NO: Maggie 1H Well Plat
SCALE: 1" = 2000'
MINIMUM DEGREE OF ACCURACY:
Submeter
PROVEN SOURCE OF ELEVATION:
WVDOT, Harrisville, WV



DATE: March 29 2023
OPERATOR'S WELL NO. Maggie Unit 1H
API WELL NO
47 - 095 - 02637
STATE COUNTY PERMIT

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF GAS) PRODUCTION: STORAGE DEEP SHALLOW
LOCATION: ELEVATION: As-Drilled 1061' WATERSHED: Outlet Middle Island Creek QUADRANGLE: Paden City
DISTRICT: Ellsworth / Lincoln COUNTY: Tyler
SURFACE OWNER: Barbara Kay Turner ACREAGE: 26.18
ROYALTY OWNER: Linda L. Newbrough; Jack Russell Folger, et ux; Stanley M. & Irene K. Koterba; Sarah Valentour Nass LEASE NO: ACREAGE: 33.25; 74.47; 64;
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: 22,523' 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

Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	5/16/2020
Job End Date:	6/7/2020
State:	West Virginia
County:	Tyler
API Number:	47-095-02637-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Maggie Unit 1H
Latitude:	39.50973000
Longitude:	-80.88619000
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6,485
Total Base Water Volume (gal):	24,258,660
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 Mixture	Halliburton	Base Fluid					
Ingredients			Water	7732-18-5	100.00000	86.61176	Density = 8.50
	Listed Above	Listed Above					
			Water	7732-18-5	100.00000	0.17213	

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Exceletrate LX-15	Halliburton	Friction Reducer					
				Listed Below			
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
				Listed Below			
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					
				Listed Below			
Legend LD-1330	MultiChem	Completion/Stimulation					
				Listed Below			
HAI-501	Halliburton	Acid Corrosion Inhibitor					
				Listed Below			
Legend LD-2990	MultiChem	Friction Reducer					
				Listed Below			
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
				Listed Below			
Legend LD-2555	MultiChem	Additive					
				Listed Below			

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MC B-8614	Halliburton	Biocide					
				Listed Below			
SAND-COMMON WHITE 40/70	Halliburton	Proppant					
				Listed Below			
WG-36 GELLING AGENT	Halliburton	Gelling Agent					
				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	13.19182	
			Hydrochloric acid	7647-01-0	30.00000	0.03982	
			Complex Amine Compound	Proprietary	60.00000	0.01704	
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01384	
			Complex Amine Compound	Proprietary	60.00000	0.01065	
			Guar gum	9000-30-0	100.00000	0.00524	
			Glutaraldehyde	111-30-8	30.00000	0.00248	
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	5.00000	0.00231	
			Surfactant	Proprietary	5.00000	0.00142	
			Polyethoxylated fatty amine salt	61791-26-2	30.00000	0.00103	
			Surfactant	Proprietary	5.00000	0.00089	
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl chlorides	68424-85-1	5.00000	0.00041	
			Methanol	67-56-1	100.00000	0.00033	
			Ethoxylated alcohols	Proprietary	5.00000	0.00030	

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			Organic chloride compound	Proprietary	1.00000	0.00028	
			Alkoxyated polyhydric alcohol	Proprietary	1.00000	0.00028	
			Alkoxyated polyhydric alcohol	Proprietary	1.00000	0.00018	
			Ethoxyated alcohols	Proprietary	1.00000	0.00018	
			Organic chlrodie compound	Proprietary	1.00000	0.00018	
			Complex Alcohol	Proprietary	60.00000	0.00015	
			Ammonium persulfate	7727-54-0	100.00000	0.00011	
			Ethanol	64-17-5	1.00000	0.00008	
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00007	
			Modified thiourea polymer	Proprietary	30.00000	0.00007	
			Oxylated phenolic resin	Proprietary	30.00000	0.00003	
			Acrylamide	79-06-1	0.10000	0.00002	
			Organic salt #1	Proprietary	0.10000	0.00002	
			Propargyl alcohol	107-19-7	5.00000	0.00001	
			Hexadecene	629-73-2	5.00000	0.00001	
			Alcohol ethoxylates	Proprietary	5.00000	0.00001	
			Quaternary ammonium compounds	Proprietary	5.00000	0.00001	
			Phosphoric acid	7664-38-2	0.10000	0.00001	
			Formaldehyde	50-00-0	0.01000	0.00000	
			Sodium hydroxide	1310-73-2	0.01000	0.00000	
			Organic salt #2	Proprietary	0.01000	0.00000	
			Sodium glycolate	2836-32-0	0.01000	0.00000	
			Organic salt #1	Proprietary	0.01000	0.00000	
			Nitrated acetate salt	Proprietary	0.01000	0.00000	
			Organic salt #3	Proprietary	0.01000	0.00000	
			Sodium glycollate	2836-32-0	0.01000	0.00000	

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			Nitrated acetate salt	Proprietary	0.01000	0.00000	
			Organic salt #2	Proprietary	0.01000	0.00000	
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	
			Ethylene oxide	75-21-8	0.01000	0.00000	

* 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)

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