

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

API 47 - 085 - 10537 County Ritchie District Clay
Quad Ellenboro 7.5' Pad Name Husher Field/Pool Name -----
Farm name Richard E. Blouir Et Ux Well Number Neptune 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 4348637m Easting 498186m
Landing Point of Curve Northing 4347725m Easting 498757m
Bottom Hole Northing 4342097m Easting 500716m

Elevation (ft) 1,007' 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

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Date permit issued 12/16/2024 Date drilling commenced 1/14/2025 Date drilling ceased 3/26/2025
Date completion activities began 4/30/2025 Date completion activities ceased 7/1/2025
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 147', 406' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1654' Void(s) encountered (Y/N) depths No
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths No
Is coal being mined in area (Y/N) No

Reviewed by:

J.N. 12-8-25

03/13/2026

Reviewed

API 47- 085 - 10537 Farm name Richard E. Blouir Et Ux Well number Neptune 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	28"	20"	130'	New	91.59#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	528'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	6351'	New	34.89#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	27483'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6677'		4.7#, J-55		
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	215 sx	15.6	1.18	254	0'	8 Hrs.
Surface	Class A	395 sx	15.8	1.17	462	0'	8 Hrs.
Coal							
Intermediate 1	Class C	685 sx	15.8	1.15	788	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	4685 sx (Tail)	13.5 (Spacer), 15.2(Tail)	1.31 (Tail)	6137	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 27,483' MD, 6,251' TVD (BHL), 6,280' TVD (Deepest Point Drilled) Loggers TD (ft) 27,443' MD

Deepest formation penetrated Marcellus Plug back to (ft) N/A

Plug back procedure N/A

Kick off depth (ft) 6,351'

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

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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

Reviewed

J.N. 12-8-25
03/13/2026

EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	4/30/2025	27417.4	27402.6	36	Marcellus
2	5/1/2025	27363.8585	27198.151	36	Marcellus
3	5/1/2025	27162.60948	26996.902	36	Marcellus
4	5/2/2025	26961.36046	26795.6529	36	Marcellus
5	5/2/2025	26760.11144	26594.4039	36	Marcellus
6	5/3/2025	26558.86242	26393.1549	36	Marcellus
7	5/3/2025	26357.6134	26191.9059	36	Marcellus
8	5/4/2025	26156.36438	25990.6569	36	Marcellus
9	5/4/2025	25955.11536	25789.4078	36	Marcellus
10	5/4/2025	25753.86634	25588.1588	36	Marcellus
11	5/5/2025	25552.61732	25386.9098	36	Marcellus
12	5/5/2025	25351.3683	25185.6608	36	Marcellus
13	5/5/2025	25150.11928	24984.4118	36	Marcellus
14	5/6/2025	24948.87026	24783.1627	36	Marcellus
15	5/6/2025	24747.62124	24581.9137	36	Marcellus
16	5/7/2025	24546.37222	24380.6647	36	Marcellus
17	5/7/2025	24345.1232	24179.4157	36	Marcellus
18	5/7/2025	24143.87418	23978.1667	36	Marcellus
19	5/8/2025	23942.62516	23776.9176	36	Marcellus
20	5/8/2025	23741.37614	23575.6686	36	Marcellus
21	5/9/2025	23540.12712	23374.4196	36	Marcellus
22	5/9/2025	23338.8781	23173.1706	36	Marcellus
23	5/10/2025	23137.62908	22971.9216	36	Marcellus
24	5/10/2025	22936.38007	22770.6725	36	Marcellus
25	5/11/2025	22735.13105	22569.4235	36	Marcellus
26	5/11/2025	22533.88203	22368.1745	36	Marcellus
27	5/11/2025	22332.63301	22166.9255	36	Marcellus
28	5/12/2025	22131.38399	21965.6765	36	Marcellus
29	5/12/2025	21930.13497	21764.4275	36	Marcellus
30	5/12/2025	21728.88595	21563.1784	36	Marcellus
31	5/13/2025	21527.63693	21361.9294	36	Marcellus
32	5/13/2025	21326.38791	21160.6804	36	Marcellus
33	5/13/2025	21125.13889	20959.4314	36	Marcellus
34	5/14/2025	20923.88987	20758.1824	36	Marcellus
35	5/14/2025	20722.64085	20556.9333	36	Marcellus
36	5/14/2025	20521.39183	20355.6843	36	Marcellus
37	5/15/2025	20320.14281	20154.4353	36	Marcellus
38	5/15/2025	20118.89379	19953.1863	36	Marcellus
39	5/15/2025	19917.64477	19751.9373	36	Marcellus
40	5/15/2025	19716.39575	19550.6882	36	Marcellus
41	5/16/2025	19515.14673	19349.4392	36	Marcellus
42	5/16/2025	19313.89771	19148.1902	36	Marcellus
43	5/16/2025	19112.64869	18946.9412	36	Marcellus
44	5/16/2025	18911.39967	18745.6922	36	Marcellus
45	5/16/2025	18710.15065	18544.4431	36	Marcellus
46	5/16/2025	18508.90163	18343.1941	36	Marcellus
47	5/16/2025	18307.65261	18141.9451	36	Marcellus
48	5/17/2025	18106.40359	17940.6961	36	Marcellus
49	5/17/2025	17905.15458	17739.4471	36	Marcellus
50	5/17/2025	17703.90556	17538.198	36	Marcellus
51	5/17/2025	17502.65654	17336.949	36	Marcellus
52	5/17/2025	17301.40752	17135.7	36	Marcellus
53	5/17/2025	17100.1585	16934.451	36	Marcellus
54	5/17/2025	16898.90948	16733.202	36	Marcellus
55	5/18/2025	16697.66046	16531.9529	36	Marcellus
56	5/18/2025	16496.41144	16330.7039	36	Marcellus
57	5/18/2025	16295.16242	16129.4549	36	Marcellus
58	5/18/2025	16093.9134	15928.2059	36	Marcellus
59	5/18/2025	15892.66438	15726.9569	36	Marcellus
60	5/18/2025	15691.41536	15525.7078	36	Marcellus
61	5/18/2025	15490.16634	15324.4588	36	Marcellus
62	5/18/2025	15288.91732	15123.2098	36	Marcellus
63	5/19/2025	15087.6683	14921.9608	36	Marcellus
64	5/19/2025	14886.41928	14720.7118	36	Marcellus
65	5/19/2025	14685.17026	14519.4627	36	Marcellus
66	5/19/2025	14483.92124	14318.2137	36	Marcellus
67	5/19/2025	14282.67222	14116.9647	36	Marcellus
68	5/19/2025	14081.4232	13915.7157	36	Marcellus
69	5/19/2025	13880.17418	13714.4667	36	Marcellus
70	5/19/2025	13678.92516	13513.2176	36	Marcellus
71	5/20/2025	13477.67614	13311.9686	36	Marcellus
72	5/20/2025	13276.42712	13110.7196	36	Marcellus
73	5/20/2025	13075.1781	12909.4706	36	Marcellus
74	5/20/2025	12873.92908	12708.2216	36	Marcellus
75	5/20/2025	12672.68007	12506.9725	36	Marcellus
76	5/20/2025	12471.43105	12305.7235	36	Marcellus
77	5/20/2025	12270.18203	12104.4745	36	Marcellus
78	5/20/2025	12068.93301	11903.2255	36	Marcellus
79	5/20/2025	11867.68399	11701.9765	36	Marcellus
80	5/21/2025	11666.43497	11500.7275	36	Marcellus
81	5/21/2025	11465.18595	11299.4784	36	Marcellus
82	5/21/2025	11263.93693	11098.2294	36	Marcellus
83	5/21/2025	11062.68791	10896.9804	36	Marcellus
84	5/21/2025	10861.43889	10695.7314	36	Marcellus
85	5/21/2025	10660.18987	10494.4824	36	Marcellus
86	5/21/2025	10458.94085	10293.2333	36	Marcellus
87	5/22/2025	10257.69183	10091.9843	36	Marcellus
88	5/22/2025	10056.44281	9890.73529	36	Marcellus
89	5/22/2025	9855.19379	9689.48627	36	Marcellus
90	5/22/2025	9653.94477	9488.23725	36	Marcellus
91	5/22/2025	9452.69575	9286.98824	36	Marcellus
92	5/25/2025	9251.44673	9085.73922	36	Marcellus
93	5/26/2025	9050.19771	8884.4902	36	Marcellus
94	5/26/2025	8848.94869	8683.24118	36	Marcellus
95	5/26/2025	8647.69967	8481.99216	36	Marcellus
96	5/26/2025	8446.45065	8280.74314	36	Marcellus
97	5/26/2025	8245.20163	8079.49412	36	Marcellus
98	5/26/2025	8043.95261	7878.2451	36	Marcellus
99	5/26/2025	7842.70359	7676.99608	36	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 (bbbl)	Amount of Nitrogen/ other (units)
1	4/30/2025	72.9	10416	9857	4000	119960	4672	N/A
2	5/1/2025	89.1	10794	7111	3526	408020	7727	N/A
3	5/1/2025	88.7	10680	7989	3966	408940	7380	N/A
4	5/2/2025	88.3	10285	7154	4496	406300	7357	N/A
5	5/2/2025	82.8	10549	6849	3170	416700	7337	N/A
6	5/3/2025	89.3	10276	6152	4382	408700	7151	N/A
7	5/3/2025	88.3	10438	7119	4847	413880	7047	N/A
8	5/4/2025	88.5	10548	5825	4680	415640	7215	N/A
9	5/4/2025	91.7	10583	7340	4525	412820	7271	N/A
10	5/4/2025	95.2	10840	7450	4423	407800	7111	N/A
11	5/5/2025	94.9	10824	6309	4841	410100	7118	N/A
12	5/5/2025	93	10261	6412	3168	404400	7180	N/A
13	5/5/2025	94.1	10772	7046	4554	403480	7032	N/A
14	5/6/2025	87.6	10672	6557	4696	414020	7113	N/A
15	5/6/2025	89.6	10569	6640	5399	416560	7312	N/A
16	5/7/2025	95.1	10951	6452	4826	417100	7168	N/A
17	5/7/2025	80.2	10374	5397	5190	411960	9137	N/A
18	5/7/2025	91.3	10849	6206	4837	411780	7091	N/A
19	5/8/2025	92.4	10583	6789	5191	413580	7235	N/A
20	5/8/2025	95.5	11217	6103	4361	405220	7162	N/A
21	5/9/2025	88.8	10298	7688	5001	415760	10703	N/A
22	5/9/2025	95.4	10794	5683	4981	407320	7046	N/A
23	5/10/2025	93	10991	6015	4521	407840	7033	N/A
24	5/10/2025	95.7	10964	7212	4301	406840	6994	N/A
25	5/11/2025	93.6	10572	7232	3927	403440	6974	N/A
26	5/11/2025	96.9	10812	5952	5000	406900	7057	N/A
27	5/11/2025	95.3	11062	7260	4419	411020	7041	N/A
28	5/12/2025	94.5	10755	7817	4178	410760	7017	N/A
29	5/12/2025	93.2	10699	6648	4927	404080	6937	N/A
30	5/12/2025	94.3	10360	6356	4146	409280	7281	N/A
31	5/13/2025	97.3	10673	7539	4754	413540	7082	N/A
32	5/13/2025	95.9	10770	6021	4430	413000	7026	N/A
33	5/13/2025	96.2	10488	6235	4555	412320	7027	N/A
34	5/14/2025	95.2	10394	5044	4550	411840	7025	N/A
35	5/14/2025	94.1	10391	6260	4292	411560	7051	N/A
36	5/14/2025	97.2	10665	7815	4161	408840	7062	N/A
37	5/15/2025	97.7	10626	6449	4618	406620	6937	N/A
38	5/15/2025	94.9	10326	5950	4747	411540	7010	N/A
39	5/15/2025	95	10618	7336	3353	411500	7025	N/A
40	5/15/2025	97.3	10880	6160	4367	414840	7406	N/A
41	5/16/2025	96.2	10867	5979	4738	409740	7215	N/A
42	5/16/2025	96.7	10869	5747	5015	412100	7341	N/A
43	5/16/2025	95.1	10812	3254	3101	415120	7171	N/A
44	5/16/2025	97.2	10939	3858	4176	415560	7302	N/A
45	5/16/2025	96.5	10865	5717	4021	408140	7088	N/A
46	5/16/2025	97.1	10790	6840	4819	406040	7078	N/A
47	5/16/2025	97.9	10861	6462	4731	404660	7114	N/A
48	5/17/2025	99	10581	6154	4113	412980	7287	N/A
49	5/17/2025	98.1	10671	5967	4657	416560	7361	N/A
50	5/17/2025	96.3	10541	5226	4202	416580	7189	N/A
51	5/17/2025	96.7	10461	5744	4015	415860	7235	N/A
52	5/17/2025	97.6	10716	6340	4176	414600	7380	N/A
53	5/17/2025	95.8	10348	4116	4585	417560	7280	N/A
54	5/17/2025	98	10436	6052	4605	413980	7291	N/A
55	5/18/2025	98.4	10081	5765	4416	409540	7187	N/A
56	5/18/2025	98.5	9929	6077	4103	410080	7215	N/A
57	5/18/2025	98.8	9805	6027	4358	408000	7126	N/A
58	5/18/2025	96.6	9500	5091	4766	415580	7116	N/A
59	5/18/2025	96.8	9326	4370	8479	415100	7093	N/A
60	5/18/2025	96.9	9353	5515	4536	413360	7066	N/A
61	5/18/2025	96.7	9332	6170	4580	410320	7118	N/A
62	5/18/2025	98.4	9515	5254	4561	417860	7317	N/A
63	5/19/2025	99.5	9369	5933	5076	420240	7344	N/A
64	5/19/2025	99.2	9286	6515	4692	410760	7207	N/A
65	5/19/2025	98.3	9062	6160	4758	411320	7145	N/A
66	5/19/2025	97.4	9082	6262	4231	413480	7120	N/A
67	5/19/2025	98.6	9116	5882	5044	412520	7137	N/A
68	5/19/2025	98.1	8994	3609	4916	417060	7097	N/A
69	5/19/2025	98.2	9017	7115	4113	419460	7208	N/A
70	5/19/2025	98.9	9293	6283	4772	411340	7194	N/A
71	5/20/2025	97.4	8915	5878	4196	416100	7204	N/A
72	5/20/2025	98.4	8599	5617	4745	413480	7225	N/A
73	5/20/2025	98	8440	5211	4597	412340	7097	N/A
74	5/20/2025	98.6	8589	6079	3952	414980	6986	N/A
75	5/20/2025	98.4	8531	5844	4507	417120	7086	N/A
76	5/20/2025	98.7	8542	8371	4445	414720	6893	N/A
77	5/20/2025	98.4	8666	7648	4389	420160	7013	N/A
78	5/20/2025	99.9	8464	7648	4596	418100	6997	N/A
79	5/20/2025	98	8388	5313	5411	410860	6423	N/A
80	5/21/2025	99.6	8628	5741	4753	407460	6868	N/A
81	5/21/2025	99.3	8479	5574	5230	416200	7070	N/A
82	5/21/2025	98.6	8246	5701	4375	407620	6891	N/A
83	5/21/2025	98.7	8192	6140	5037	415080	7017	N/A
84	5/21/2025	98.8	8083	6090	4645	412980	6926	N/A
85	5/21/2025	98.4	7952	6925	4082	408120	6844	N/A
86	5/21/2025	98.2	7876	5966	5142	413940	6950	N/A
87	5/22/2025	98	7922	5963	5371	412440	6968	N/A
88	5/22/2025	99.6	8424	5977	4825	413360	6934	N/A
89	5/22/2025	99	8434	5881	4028	410040	7070	N/A
90	5/22/2025	98.6	8276	6610	4659	414660	6792	N/A
91	5/22/2025	99.3	8258	6246	4246	409420	6856	N/A
92	5/25/2025	99.7	7632	4319	4446	415760	6896	N/A
93	5/26/2025	98.6	7643	5323	4914	411300	6880	N/A
94	5/26/2025	98.3	7452	5492	5244	417940	7043	N/A
95	5/26/2025	98.5	7470	5765	4731	414440	6813	N/A
96	5/26/2025	98.8	7409	5509	4620	417260	6948	N/A
97	5/26/2025	98.4	7233	5734	4253	413080	6894	N/A
98	5/26/2025	98.4	6930	5634	4941	414300	6871	N/A
99	5/26/2025	98.5	6840	4852	4570	412640	6950	N/A
AVERAGE		96.7	9,696	6,201	4,562	40,517,200	705,987	0

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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	100	170	100	170
Silty Sandstone, Occ LS	170	370	170	370
Silty Sandstone	370	570	370	570
Sandstone. Scat SLTST, Scat LS	570	770	570	770
Silty Sandstone, tr LS	770	970	770	970
Sandy Siltstone	970	1,170	970	1,170
Sandy Siltstone	1,170	1,370	1,170	1,370
Silty Sandstone, tr MICA	1,370	1,770	1,370	1,770
Silty Sandstone, tr LS, tr PYR	1,770	1,870	1,770	1,870
Sandy Limestone, rr Shale	1,870	1,812	1,870	1,825
Big Lime	1,842	2,481	1,825	2,556
Fifty Foot Sandstone	2,481	2,564	2,526	2,650
Gordon	2,564	2,855	2,620	2,978
Fifth Sandstone	2,855	3,114	2,948	3,270
Bayard	3,114	3,984	3,240	4,246
Speechley	3,984	4,214	4,216	4,504
Balltown	4,214	4,548	4,474	4,880
Bradford	4,548	4,685	4,850	5,035
Benson	4,685	5,074	5,005	5,480
Alexander	5,074	5,964	5,450	6,777
Sycamore	5,934	6,025	6,455	6,577
Middlesex	6,025	6,123	6,577	6,747
Burkett	6,123	6,147	6,747	6,806
Tully	6,147	6,152	6,806	6,820
Marcellus	6,152	NA	6,820	NA

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LATITUDE 39°17'30"

6,000'

9,501' TO BOTTOM HOLE

LATITUDE 39°15'00"

1,694' LONGITUDE 81°00'00"

7,983' TO BOTTOM HOLE LONGITUDE 80°57'30"

Antero Resources Corporation Well No. Neptune #1H

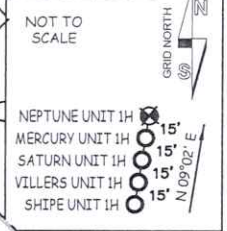
18-14.2	RONALD HAYHURST
24-05	RICHARD BLOUIR
24-5.1	RICHARD BLOUIR
24-5.3	RICHARD BLOUIR
24-5.4	MATTHEW BLOUIR
24-06	TECH PIPE & EXTRUSIONS INC.
24-07	TECH SERVICE CENTER
24-24	KIMBERLY BARNES
24-25	MARK SPIKER
24-34	CRAIG HOGUE
24-34.1	CRAIG HOGUE
24-34.2	STONEWALL PROPERTY HOLDINGS LLC
24-34.4	BARNES & SONS TRUCKING LLC
24-34.5	RODNEY HOGUE
24-35	RICHARD LAMBERT
24-35.1	RICHARD LAMBERT
24-35.3	RICHARD LAMBERT
24-41	HALL FAMILY TRUST
24-47	JOEY SHAFFER
24-54	HAUGHT FAMILY TRUST
29-05	THE NATURE CONSERVANCY
29-14	ROBERT WHITEHAIR
29-16	BOBBY BUNNER
29-16.1	BOBBY BUNNER
29-21.1	EVERETT LEGGETT
29-23	GARY GILMORE
29-24	SANDRA BRADFORD
29-24.1	STEVEN DAVIS
29-27	BEAR KNOB HOLDINGS LLC
29-28	SARAH RIDDLE
29-35	SHEILA MAYO
29-36	THOMAS GUSTAITUS
29-36.1	CHAD KOPSHINA
29-37	SHEILA MAYO
29-38	SHEILA MAYO
29-39	SHEILA MAYO
29-40	AMOS BUNNER
29-58	ROBERT WHITEHAIR
29-64	JOSEPH VARESE
29-65	JAMES DUNLAP
29-66	JAMES DUNLAP
29-67	CHRISTIAN PROUSE
29-68	JAMES DUNLAP
30-31	EARL RIDDLE
30-32	EARL RIDDLE
30-33	BEAR KNOB HOLDINGS LLC
34-21.2	LITTLEKANAWHA SOIL CONSERVATION DISTRICT
34-22.1	GARY BROADWATER
35-01	GARY GROBASKI
35-02	DEBRA DAVIS
35-07	DELORES SCHAMBERGER
35-7.1	DELORES SCHAMBERGER
35-13	PHILLIP RIGGS
35-14	DARREN DODD
35-29	DENNIS MCLOY
35-30	CHAD JOHNSON
A1	RODNEY STEVE HOGUE
A2	RODNEY STEVE HOGUE
A3	RODNEY STEVE HOGUE
B	MOUNTAIN GAS SERVICES, LLC
C	BARNES & SONS TRUCKING
D	WV DIVISION OF MULTIMODAL TRANSPORTATION FACILITIES
E1	MILDRED MAY LAMBERT
E2	MILDRED MAY LAMBERT
F	PERRY MICHAEL HANLON
G1	WILLIAM MOORE AND MELVINA MOORE
G2	WILLIAM MOORE AND MELVINA MOORE
H	LAURA M. ULAM
I	THE NATURE CONSERVANCY
J	RIDGEWOOD DEVELOPMENT, LLC
K	MOST WORSHIPFUL GRAND LODGE OF ANCIENT & ACCEPTED MASONS OF WV, INC.
L	BOBBY J. BUNNER
M	BOBBY J. BUNNER
N	LEE WILSON
O	EVERETT T. LEGGETT & DEBRA LEGGETT
P	ET BLUE GRASS, LLC
Q	BOBBY J. BUNNER
R	NANCY CAROLINE LAWRENCE MOSLEY
S1	NEAL COLLINS
S2	NEAL COLLINS
T	JUDITH A. BEARY
U	KEVIN A. RIDDLE
V	JUDITH A. BEARY
W	JUDITH A. BEARY
X	LINDA KAY SMITH
Y	NEAL COLLINS
Z	WAYNE DOUGLAS STEWART
AA1	CHARLES A. BROADWATER, ET AL
AA2	CHARLES A. BROADWATER, ET AL
AB	BURL DODD, ET AL
AC	ANTERO MINERALS, LLC
AD	DELANO PERLE HAYHURST
AE	DELANO PERLE HAYHURST
AF	DELANO PERLE HAYHURST
AG	KIMBERLY BARNES
AH	VIRGINIA L. CONNORS
AI	JOHN MICHAEL ANKROM
AJ	AGNES L. ROGERS
AK	HALL DRILLING, LLC

AS DRILLED DATA:
 WELL 1H TOP HOLE INFORMATION:
 N: 290,293ft E: 1,569,445ft
 LAT: 39°17'13.26" LON: 81°01'16.31"
 BOTTOM HOLE INFORMATION:
 N: 268,692ft E: 1,577,388ft
 LAT: 39°13'41.10" LON: 80°59'30.74"
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

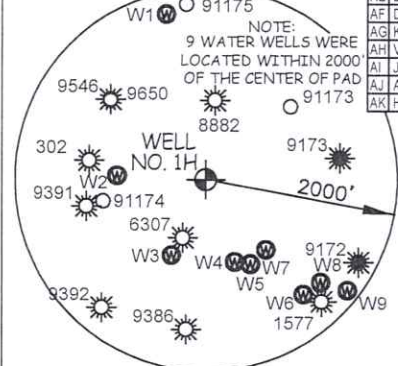
(NAD) 83 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 4,348,637m E: 498,186m
 BOTTOM HOLE INFORMATION:
 N: 4,342,097m E: 500,716m

(NAD) 27 (UTM) ZONE 17 COORDS:
 WELL 1H TOP HOLE INFORMATION:
 N: 14,266,440ft E: 1,634,419ft
 POINT OF ENTRY INFORMATION:
 N: 14,264,469ft E: 1,635,985ft
 BOTTOM HOLE INFORMATION:
 N: 14,244,982ft E: 1,642,719ft

PAD LAYOUT



WV NORTH ZONE GRID NORTH



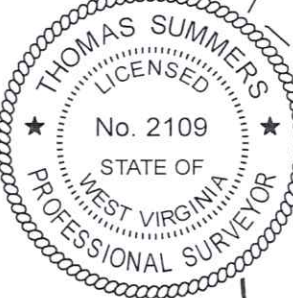
WATER WELLS		
W1	S 13°36' E	1772.1'
W2	N 87°26' W	929.2'
W3	S 24°40' W	864.4'
W4	S 19°28' E	906.8'
W5	S 27°55' E	993.1'
W6	S 40°30' E	1566.5'
W7	N 40°45' W	960.8'
W8	S 48°22' E	1604.4'
W9	S 52°09' E	1872.9'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415



JOB # 23-010WA
 DRAWING # NEPTUNE1HAD
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

LEGEND
 - - - Surface Owner Boundary Lines +/-
 - - - Interior Surface Tracts +/-
 O - Proposed Well Path
 O - As Drilled Well Path

THOMAS SUMMERS P.S. 2109
 DATE 11/12/25
 OPERATOR'S WELL# NEPTUNE UNIT #1H
 47 - 085 - 10537
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW
 LOCATION: ELEVATION AS BUILT - 1,007' WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE ELLENBORO 7.5' DISTRICT CLAY COUNTY RITCHE
 SURFACE OWNER RICHARD E. BLOUIR ET UX ACREAGE 53.682 ACRES +/-
 OIL & GAS ROYALTY OWNER AGNES L. ROGERS LEASE ACREAGE 57 ACRES±
 PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___
 FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW
 FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) AS DRILLED
 PLUG & ABANDON ___ CLEAN OUT & REPLUG ___
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 6,251' TVD 27,483' MD
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON
 ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD
 DENVER, CO 80202 BRIDGEPORT, WV 26330

- NOTE
- NO OCCUPIED DWELLINGS OR BUILDINGS TWO THOUSAND FIVE HUNDRED (2,500) SQUARE FEET OR LARGER USED TO HOUSE OR SHELTER DAIRY CATTLE OR POULTRY HUSBANDRY ARE LOCATED WITHIN SIX HUNDRED TWENTY-FIVE (625) FEET OF THE CENTER OF THE WELL PAD.
 - TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES CORPORATION.
 - WLS IS NOT CERTIFYING THE DATA AND INFORMATION PROVIDED LISTED IN NOTES 2 AND 3. ONLY THE RELATIONSHIP TO THE DATA AND INFORMATION PROVIDED TO THE LEASE BOUNDARIES.
 - WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR INACCURACIES WITH THE DATA AND INFORMATION THAT HAS BEEN PROVIDED.

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/30/2025
Job End Date:	05/26/2025
State:	West Virginia
County:	Ritchie
API Number:	47-085-10537-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Neptune Unit 1H
Latitude:	39.287104
Longitude:	-81.021038
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6263
Total Base Water Volume (gal)*:	31529946
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 1000TDS	100.00%

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
100 mesh sand	NexTier Completions Solutions	Propping Agent					
15% HCl	Tarquin	Acid					
CIA-12	NexTier Completions Solutions	Acid corrosion inhibitor					RECEIVED Office of Oil and Gas NOV 21 2025 WV Department of Environmental Protection
Fincide GQ 12A	NexTier Completions Solutions	Biocide					
NGA-14	NexTier Completions Solutions	Gelling Agent					
Other Chemical(s)	Listed Above	See Trade Name(s)					
SlickStim 150CE-15	NexTier Completions Solutions	Friction Reducer					
SlickStim 300CE-31	NexTier Completions	Friction Reducer					

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	Solutions						
StimBreak Encap APB LT	NexTier Completions Solutions	Breaker					
ViscStim 300CE-113	NexTier Completions Solutions	Friction Reducer					
Water	Operator	Carrier Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	86.29402	
			Crystalline Silica	14808-60-7	99.90000	13.31808	
			Water	7732-18-5	85.00000	0.25681	
			Hydrochloric Acid	7647-01-0	15.00000	0.04532	
			Aluminum Oxide	1344-28-1	0.10000	0.01333	
			Chemplex-Polymer-00019	Proprietary	40.00000	0.01296	
			Acrylamide chloride salt od trimethylammonio ethyl acrylate copolymer	69418-26-4	40.00000	0.01162	
			Water	7732-18-5	40.00000	0.01162	
			Alkanes, C12-26-Branched and Linear	90622-59-6	40.00000	0.01162	
			Isoalkanes	6742-47-8	30.00000	0.00972	
			Glutaraldehyde	111-30-8	30.00000	0.00239	
			Chemplex-surfactant-00015	Proprietary	5.00000	0.00162	
			Alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00145	
			Chemplex-surfactant-00021	Proprietary	3.00000	0.00097	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.00066	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00040	
			1-Decanaminium, N-decyl- N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00040	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00038	
			Chemplex-Polymer-00019	Proprietary	20.00000	0.00026	
			Ammonium Persulfate	7727-54-0	90.00000	0.00014	
			Ethylene glycol	107-21-1	45.00000	0.00013	
			Glycol Ether EB	111-76-2	45.00000	0.00013	
			Bentonite	1302-78-9	5.00000	0.00007	
			Alkoxyated Isodecyl Alcohol	154518-36-2	5.00000	0.00007	

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			ammonium chloride	12125-02-9	5.00000	0.00006	
			alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00006	
			oleic acid diethanolamide	93-83-4	5.00000	0.00006	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00006	
			Tar bases,quinoline derivs.,benzyl chloride- quaternized	72480-70-7	20.00000	0.00006	
			Water	7732-18-5	15.00000	0.00004	
			Cinnamaldehyde	104-55-2	10.00000	0.00003	
			Nonylphenol ethoxylated	127087-87-0	10.00000	0.00003	
			Alcohols, C6-12	68603-15-6	10.00000	0.00003	

* 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%

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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