

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

API 47 - 085 - 10540 County Ritchie District Clay
Quad Ellenboro 7.5' Pad Name Husher Field/Pool Name -----
Farm name Richard E. Blouir Et Ux Well Number Mercury 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 4348632m Easting 498186m
Landing Point of Curve Northing 4346128m Easting 4988979m
Bottom Hole Northing 4341535m Easting 500572m

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 4/5/2025
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

Reviewed by:
J.M. 12-8-25
02/06/2026

API 47-085 - 10540 Farm name Richard E. Blouir Et Ux Well number Mercury 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"	506'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-3/8"	9-5/8"	6145'	New	34.89#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	29091'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6469'		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	725 sx	15.8	1.15	834	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	5525 sx (Tail)	13.5 (Spacer), 15.2 (Tail)	1.29 (Tail)	7127	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 29,091' MD, 6,244' TVD (BHL), 6,281' TVD (Deepest Point Drilled) Loggers TD (ft) 29,091' MD

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

Plug back procedure N/A

Kick off depth (ft) 6,160'

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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J. N. 02/06/2026

API 42-090-10541 Farm Name: **Stages 1-11** Group: **110** Well Number: **Marcellus Unit 10**

EXHIBIT 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforators	Formations
1	4/30/2025	29025.4	29030.6	36	Marcellus
2	5/1/2025	28971.87237	28806.2342	36	Marcellus
3	5/1/2025	28770.70661	28605.0685	36	Marcellus
4	5/2/2025	28569.54084	28403.9027	36	Marcellus
5	5/2/2025	28368.37508	28202.7369	36	Marcellus
6	5/2/2025	28167.20931	28001.5712	36	Marcellus
7	5/3/2025	27966.04354	27800.4054	36	Marcellus
8	5/3/2025	27764.87778	27599.2396	36	Marcellus
9	5/3/2025	27563.71201	27398.0739	36	Marcellus
10	5/4/2025	27362.54625	27196.9081	36	Marcellus
11	5/4/2025	27161.38048	26995.7423	36	Marcellus
12	5/4/2025	26960.21471	26794.5766	36	Marcellus
13	5/4/2025	26759.04895	26593.4108	36	Marcellus
14	5/5/2025	26557.88318	26392.245	36	Marcellus
15	5/5/2025	26356.71742	26191.0793	36	Marcellus
16	5/5/2025	26155.55165	25989.9135	36	Marcellus
17	5/6/2025	25954.38589	25788.7477	36	Marcellus
18	5/6/2025	25753.22012	25587.582	36	Marcellus
19	5/6/2025	25552.05435	25386.4162	36	Marcellus
20	5/6/2025	25350.88859	25185.2505	36	Marcellus
21	5/7/2025	25149.72282	24984.0847	36	Marcellus
22	5/7/2025	24948.55706	24782.9189	36	Marcellus
23	5/7/2025	24747.39129	24581.7532	36	Marcellus
24	5/8/2025	24546.22553	24380.5874	36	Marcellus
25	5/8/2025	24345.05976	24179.4216	36	Marcellus
26	5/8/2025	24143.89399	23978.2559	36	Marcellus
27	5/9/2025	23942.72823	23777.0901	36	Marcellus
28	5/9/2025	23741.56246	23575.9243	36	Marcellus
29	5/9/2025	23540.3967	23374.7586	36	Marcellus
30	5/10/2025	23339.23093	23173.5928	36	Marcellus
31	5/10/2025	23138.06517	22972.427	36	Marcellus
32	5/10/2025	22936.8994	22771.2613	36	Marcellus
33	5/11/2025	22735.73363	22570.0955	36	Marcellus
34	5/11/2025	22534.56787	22368.9297	36	Marcellus
35	5/11/2025	22333.4021	22167.764	36	Marcellus
36	5/12/2025	22132.23634	21966.5982	36	Marcellus
37	5/12/2025	21931.07057	21765.4324	36	Marcellus
38	5/12/2025	21729.9048	21564.2667	36	Marcellus
39	5/12/2025	21528.73904	21363.1009	36	Marcellus
40	5/13/2025	21327.57327	21161.9351	36	Marcellus
41	5/13/2025	21126.40751	20960.7694	36	Marcellus
42	5/13/2025	20925.24174	20759.6036	36	Marcellus
43	5/13/2025	20724.07598	20558.4378	36	Marcellus
44	5/14/2025	20522.91021	20357.2721	36	Marcellus
45	5/14/2025	20321.74444	20156.1063	36	Marcellus
46	5/14/2025	20120.57868	19954.9405	36	Marcellus
47	5/14/2025	19919.41291	19753.7748	36	Marcellus
48	5/15/2025	19718.24715	19552.609	36	Marcellus
49	5/15/2025	19517.08138	19351.4432	36	Marcellus
50	5/15/2025	19315.91562	19150.2775	36	Marcellus
51	5/16/2025	19114.74985	18949.1117	36	Marcellus
52	5/16/2025	18913.58408	18747.9459	36	Marcellus
53	5/17/2025	18712.41832	18546.7802	36	Marcellus
54	5/17/2025	18511.25255	18345.6144	36	Marcellus
55	5/18/2025	18310.08679	18144.4486	36	Marcellus
56	5/18/2025	18108.92102	17943.2829	36	Marcellus
57	5/18/2025	17907.75526	17742.1171	36	Marcellus
58	5/19/2025	17706.58949	17540.9514	36	Marcellus
59	5/19/2025	17505.42372	17339.7856	36	Marcellus
60	5/19/2025	17304.25796	17138.6198	36	Marcellus
61	5/20/2025	17103.09219	16937.4541	36	Marcellus
62	5/20/2025	16901.92643	16736.2883	36	Marcellus
63	5/21/2025	16700.76066	16535.1225	36	Marcellus
64	5/21/2025	16499.59489	16333.9568	36	Marcellus
65	5/21/2025	16298.42913	16132.791	36	Marcellus
66	5/22/2025	16097.26336	15931.6252	36	Marcellus
67	5/22/2025	15896.0976	15730.4595	36	Marcellus
68	5/22/2025	15694.93183	15529.2937	36	Marcellus
69	5/23/2025	15493.76607	15328.1279	36	Marcellus
70	5/26/2025	15292.6003	15126.9622	36	Marcellus
71	5/26/2025	15091.43453	14925.7964	36	Marcellus
72	5/26/2025	14890.26877	14724.6306	36	Marcellus
73	5/26/2025	14689.103	14523.4649	36	Marcellus
74	5/26/2025	14487.93724	14322.2991	36	Marcellus
75	5/26/2025	14286.77147	14121.1333	36	Marcellus
76	5/26/2025	14085.60571	13919.9676	36	Marcellus
77	5/26/2025	13884.43994	13718.8018	36	Marcellus
78	5/26/2025	13683.27417	13517.636	36	Marcellus
79	5/27/2025	13482.10841	13316.4703	36	Marcellus
80	5/27/2025	13280.94264	13115.3045	36	Marcellus
81	5/27/2025	13079.77688	12914.1387	36	Marcellus
82	5/27/2025	12878.61111	12712.973	36	Marcellus
83	5/28/2025	12677.44535	12511.8072	36	Marcellus
84	5/28/2025	12476.27958	12310.6414	36	Marcellus
85	5/28/2025	12275.11381	12109.4757	36	Marcellus
86	5/28/2025	12073.94805	11908.3099	36	Marcellus
87	5/28/2025	11872.78228	11707.1441	36	Marcellus
88	5/28/2025	11671.61652	11505.9784	36	Marcellus
89	5/28/2025	11470.45075	11304.8126	36	Marcellus
90	5/28/2025	11269.28498	11103.6468	36	Marcellus
91	5/29/2025	11068.11922	10902.4811	36	Marcellus
92	5/29/2025	10866.95345	10701.3153	36	Marcellus
93	5/29/2025	10665.78769	10500.1495	36	Marcellus
94	5/29/2025	10464.62192	10298.9838	36	Marcellus
95	5/29/2025	10263.45616	10097.818	36	Marcellus
96	5/30/2025	10062.29039	9896.65225	36	Marcellus
97	5/30/2025	9861.124625	9695.48649	36	Marcellus
98	5/30/2025	9659.958859	9494.32072	36	Marcellus
99	5/30/2025	9458.793093	9293.15495	36	Marcellus
100	5/31/2025	9257.627327	9091.98919	36	Marcellus
101	5/31/2025	9056.461562	8890.82342	36	Marcellus
102	5/31/2025	8855.295796	8689.65766	36	Marcellus
103	5/31/2025	8654.13003	8488.49189	36	Marcellus
104	5/31/2025	8452.964264	8287.32613	36	Marcellus
105	6/1/2025	8251.798498	8086.16036	36	Marcellus
106	6/1/2025	8050.632733	7884.99459	36	Marcellus
107	6/1/2025	7849.466967	7683.82883	36	Marcellus
108	6/1/2025	7648.301201	7482.66306	36	Marcellus
109	6/1/2025	7447.135435	7281.4973	36	Marcellus
110	6/2/2025	7245.96967	7080.33153	36	Marcellus
111	6/2/2025	7044.803904	6879.16577	36	Marcellus
112	6/2/2025	6843.638138	6678	36	Marcellus

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API 47-013 10540 Farm Name Richard L. Flour E.U. Well Number Mercury (est. 1M)

EXHIBIT 2								
Stage No.	Stimulations Date	Aug. Pump Rate	Aug. Treatment Pressure (PSI)	Breakdown Pressure (PSI)	Max SIF (PSI)	Amount of Proppant (lbs.)	Amount of Water (bbls.)	Volume of Nitrogen/other (cubm)
1	4/30/2025	80.1	10513	6052	4718	120640	4663	N/A
2	5/1/2025	86.3	10886	9254	3189	412320	7539	N/A
3	5/1/2025	82.4	10609	7546	4952	416040	7338	N/A
4	5/2/2025	86	10920	7268	4427	413080	7163	N/A
5	5/2/2025	87.7	10892	7056	4360	414020	7279	N/A
6	5/2/2025	86.9	10898	6004	4073	414860	7926	N/A
7	5/3/2025	85.6	10493	6031	4283	397400	7063	N/A
8	5/3/2025	87.4	10559	7221	4531	413980	7452	N/A
9	5/3/2025	88	10920	6839	5148	417080	7259	N/A
10	5/4/2025	88.8	10984	6189	4545	414260	7184	N/A
11	5/4/2025	88.7	10747	8095	5227	412400	7251	N/A
12	5/4/2025	90.5	10760	7539	4382	409440	7052	N/A
13	5/4/2025	91.8	10924	6294	4692	408880	6979	N/A
14	5/5/2025	89.5	11000	6657	4742	406740	7175	N/A
15	5/5/2025	89.9	10371	6713	5223	413640	7265	N/A
16	5/5/2025	91.5	10578	4325	3778	419400	7238	N/A
17	5/6/2025	90.5	10859	6334	4203	410340	7103	N/A
18	5/6/2025	89.3	10730	6405	4798	412720	7394	N/A
19	5/6/2025	89	10836	6950	4881	405560	7040	N/A
20	5/6/2025	89.4	10860	4131	3794	404420	7078	N/A
21	5/7/2025	88	10286	6046	4563	415460	7093	N/A
22	5/7/2025	91.8	10684	4275	4444	412060	7284	N/A
23	5/7/2025	88.1	10864	6536	4479	405480	6951	N/A
24	5/8/2025	93.7	11088	6989	4902	406180	7018	N/A
25	5/8/2025	86.8	10254	6177	5255	412320	9722	N/A
26	5/8/2025	93.8	11139	4192	4901	413120	7093	N/A
27	5/9/2025	93.2	11231	8975	4453	401640	6972	N/A
28	5/9/2025	88.8	10704	6340	4640	414420	7150	N/A
29	5/9/2025	81.9	10678	6041	4645	411040	8762	N/A
30	5/10/2025	93.5	10855	9215	2753	398160	6868	N/A
31	5/10/2025	93.7	10785	6329	4878	412380	8910	N/A
32	5/10/2025	94.9	11049	7814	4749	409340	7399	N/A
33	5/11/2025	90.1	11028	8567	4562	408560	7051	N/A
34	5/11/2025	91.6	10704	6288	4583	412740	6988	N/A
35	5/11/2025	91.6	11155	7264	4381	414200	7011	N/A
36	5/12/2025	94.5	11089	8311	3860	409140	7020	N/A
37	5/12/2025	92.5	10717	6035	4245	406760	7084	N/A
38	5/12/2025	94	10569	6095	4858	409760	7019	N/A
39	5/12/2025	81.9	10484	6641	4624	406900	8181	N/A
40	5/13/2025	97.1	10542	7650	4422	403740	7032	N/A
41	5/13/2025	94.7	10861	5784	5598	407240	6946	N/A
42	5/13/2025	94.3	10837	6714	5526	409480	7015	N/A
43	5/13/2025	90.3	10437	6444	4007	414160	6499	N/A
44	5/14/2025	97.1	10798	8649	4706	403200	6894	N/A
45	5/14/2025	91.6	10482	6641	4530	403000	6930	N/A
46	5/14/2025	94.1	10563	7137	4573	410260	7021	N/A
47	5/14/2025	96.3	11085	8449	4066	411240	6970	N/A
48	5/15/2025	97.7	10759	7254	4205	413460	7039	N/A
49	5/15/2025	94.3	10594	6420	4748	410580	6969	N/A
50	5/15/2025	96.6	10996	6994	5345	414260	7198	N/A
51	5/16/2025	94.1	10655	6253	3733	405640	7109	N/A
52	5/16/2025	97.7	10915	6360	5435	416520	7184	N/A
53	5/17/2025	99.3	10928	6908	3620	409164	7125	N/A
54	5/17/2025	96.8	10824	6253	4226	408180	7209	N/A
55	5/18/2025	98.5	10547	6056	4596	410660	7111	N/A
56	5/18/2025	96.2	8999	6132	3915	411460	7152	N/A
57	5/18/2025	97.6	9851	5880	4085	411840	7162	N/A
58	5/19/2025	98.8	10118	6495	4682	409620	7152	N/A
59	5/19/2025	98.3	9898	5830	4335	417320	7184	N/A
60	5/19/2025	98.5	10171	6599	3911	412760	7129	N/A
61	5/20/2025	98.2	9734	6689	3972	412860	7088	N/A
62	5/20/2025	98.6	9543	6971	4224	414520	7064	N/A
63	5/21/2025	99.5	9751	5839	4873	412460	7162	N/A
64	5/21/2025	98.7	9604	6049	3603	410200	7171	N/A
65	5/21/2025	99.2	9459	6467	3764	409880	7169	N/A
66	5/22/2025	98.6	9653	5505	5226	409280	7094	N/A
67	5/22/2025	99.2	9406	6575	3677	410040	7241	N/A
68	5/22/2025	98.6	9512	4715	4000	408620	7277	N/A
69	5/25/2025	98.2	9418	6830	4219	414520	7225	N/A
70	5/26/2025	98.7	9409	6125	4817	411580	7123	N/A
71	5/26/2025	98.9	9461	5371	4777	410420	7098	N/A
72	5/26/2025	98.9	9478	5795	3831	407000	7007	N/A
73	5/26/2025	98.6	9694	7323	3845	403340	7052	N/A
74	5/26/2025	99.1	8983	6561	4364	407420	7033	N/A
75	5/26/2025	97.9	9307	6488	5463	411280	7178	N/A
76	5/26/2025	96.9	9008	6138	5017	406400	7096	N/A
77	5/26/2025	97.8	9134	5935	4909	412840	7132	N/A
78	5/26/2025	99.2	8959	4252	5225	412960	7130	N/A
79	5/27/2025	98.5	8765	5984	4771	412860	7133	N/A
80	5/27/2025	97	8320	4761	5255	409680	9143	N/A
81	5/27/2025	98.9	8496	5321	5420	413720	7348	N/A
82	5/27/2025	98.4	9414	5565	4391	409220	7051	N/A
83	5/28/2025	98	8700	4194	5151	412880	7164	N/A
84	5/28/2025	97.7	8237	3394	4730	414040	7068	N/A
85	5/28/2025	99.2	8416	7048	4172	404080	6995	N/A
86	5/28/2025	99.3	8448	6461	4082	412300	6979	N/A
87	5/28/2025	98.5	8468	7101	4124	411120	7050	N/A
88	5/28/2025	98.4	8477	5944	4889	408740	7128	N/A
89	5/28/2025	97.8	8297	4912	4816	411920	8473	N/A
90	5/28/2025	98.1	8327	5075	4651	402340	6719	N/A
91	5/29/2025	98.3	8502	4538	3863	403040	6890	N/A
92	5/29/2025	98.6	8148	4298	4519	404540	7362	N/A
93	5/29/2025	97.3	8288	6602	3956	403740	7035	N/A
94	5/29/2025	98.7	9121	6553	4814	411920	7149	N/A
95	5/29/2025	98.8	8222	6094	4857	413080	6981	N/A
96	5/30/2025	98.7	8146	6762	4003	413280	6984	N/A
97	5/30/2025	99	7842	6762	4528	405460	6920	N/A
98	5/30/2025	98.1	7996	6718	4529	407040	7020	N/A
99	5/30/2025	98.5	8297	4602	5077	413220	7016	N/A
100	5/31/2025	98	7995	5805	4668	412640	6930	N/A
101	5/31/2025	98.5	7827	5627	4713	411720	7402	N/A
102	5/31/2025	98.6	7974	6982	5124	408840	6920	N/A
103	5/31/2025	98.3	8212	6105	4450	409660	6862	N/A
104	5/31/2025	98.8	7876	6293	4738	409780	6888	N/A
105	6/1/2025	99.1	7479	6064	4402	412200	6991	N/A
106	6/1/2025	97.6	7346	4244	4104	414460	6891	N/A
107	6/1/2025	98.5	7447	6317	3890	416700	7018	N/A
108	6/1/2025	98	7343	5939	3467	408980	6880	N/A
109	6/1/2025	99.1	7365	6881	4145	409140	6805	N/A
110	6/2/2025	98.6	7269	6190	4183	408480	6792	N/A
111	6/2/2025	98.4	7148	6476	4069	412400	6914	N/A
112	6/2/2025	99	7018	5672	3602	413280	7060	N/A
AVERAGE		84.9	8708	6356	4479	45,661,340	802,972	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	1,833
Big Lime	1,842	2,481	1,833	2,553
Fifty Foot Sandstone	2,481	2,564	2,523	2,642
Gordon	2,564	2,855	2,612	2,958
Fifth Sandstone	2,855	3,114	2,928	3,239
Bayard	3,114	3,984	3,209	4,181
Speechley	3,984	4,214	4,151	4,431
Balltown	4,214	4,548	4,401	4,793
Bradford	4,548	4,685	4,763	4,942
Benson	4,685	5,074	4,912	5,364
Alexander	5,074	5,945	5,334	6,592
Sycamore	5,915	6,006	6,281	6,399
Middlesex	6,006	6,104	6,399	6,562
Burkett	6,104	6,127	6,562	6,614
Tully	6,127	6,131	6,614	6,626
Marcellus	6,131	NA	6,626	NA

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Centralizer GR	2.77		GR-Probe (FW1211-86) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00
	2.54			Centralizer-2.75_Overbody	1.67	3.12

Dataset: antero_mercury_1h_rcbl_17_apr_2025.db: field/well/run1/pass6
 Total length: 15.22 ft
 Total weight: 166.00 lb
 O.D.: 3.12 in

 Nine	Company	ANTERO RESOURCES
	Well	MERCURY 1H
	Field	MOUNTAIN
	County	DODDRIDGE
	State	WV
	Country	USA

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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	04/30/2025
Job End Date:	06/02/2025
State:	West Virginia
County:	Ritchie
API Number:	47-085-10540-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Mercury Unit 1H
Latitude:	39.287059
Longitude:	-81.021038
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6254
Total Base Water Volume (gal)*:	35839524
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					
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	86.38559	
			Crystalline Silica	14808-60-7	99.90000	13.21956	
			Water	7732-18-5	85.00000	0.26456	
			Hydrochloric Acid	7647-01-0	15.00000	0.04669	
			Chemplex-Polymer-00019	Proprietary	40.00000	0.01530	
			Aluminum Oxide	1344-28-1	0.10000	0.01323	
			Isoalkanes	6742-47-8	30.00000	0.01147	
			Acrylamide chloride salt od trimethylammonio ethyl acrylate copolymer	69418-26-4	40.00000	0.00876	
			Water	7732-18-5	40.00000	0.00876	
			Alkanes, C12-26-Branched and Linear	90622-59-6	40.00000	0.00876	
			Glutaraldehyde	111-30-8	30.00000	0.00249	
			Chemplex-surfactant-00015	Proprietary	5.00000	0.00191	
			Chemplex-surfactant-00021	Proprietary	3.00000	0.00115	
			Alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00110	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.00059	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00041	
			1-Decanaminium, N-decyl-N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00041	
			Ethylene glycol	107-21-1	45.00000	0.00013	
			Glycol Ether EB	111-76-2	45.00000	0.00013	
			Ammonium Persulfate	7727-54-0	90.00000	0.00012	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00010	
			Chemplex-Polymer-00019	Proprietary	20.00000	0.00007	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00006	
			Tar bases,quinoline derivs.,benzyl chloride-	72480-70-7	20.00000	0.00006	

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			quaternized				
			Bentonite	1302-78-9	5.00000	0.00006	
			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	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	
			ammonium chloride	12125-02-9	5.00000	0.00002	
			alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00002	
			oleic acid diethanolamide	93-83-4	5.00000	0.00002	

* 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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NOV 21 2015

WV Department of
Environmental Protection

02/06/2026

LATITUDE 39°17'30"

6,002'

9,976' TO BOTTOM HOLE

LATITUDE 39°15'00"

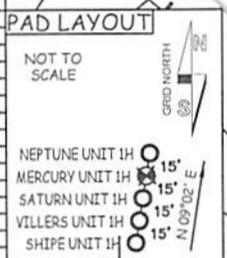
1,709' LONGITUDE 81°00'00"

9,826' TO BOTTOM HOLE

LONGITUDE 80°57'30"

Antero Resources Corporation Well No. Mercury #1H

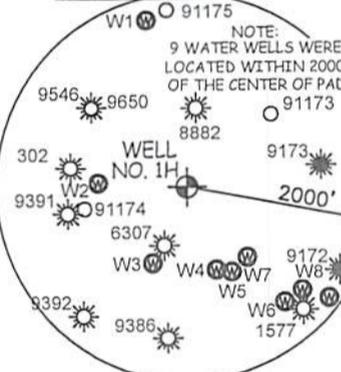
CLAY DISTRICT - RITCHIE COUNTY	
18-14.2	RONALD HAYHURST
24-05	RICHARD BLOUIR
24-5.1	RICHARD BLOUIR
24-5.3	RICHARD BLOUIR
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34-21.2	LITTLE KANAWHA SOIL CONSERVATION DISTRICT
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34-22	GARY BROADWATER
34-22.1	GARY BROADWATER



1H BOTTOM HOLE

34-38	CHAD JOHNSON
34-48	WINSTON LOVE FAMILY TRUST
35-01	GARY GROBASKI
35-07	DELORES SCHAMBERGER
35-7.1	DELORES SCHAMBERGER
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35-14	DARREN DODD
35-29	DENNIS MC CLOY
35-38	RALPH MC CLOY
35-39.1	CHESTER RIDDLE
UNION DISTRICT - RITCHIE COUNTY	
7-01	RANDALL WOODS
7-02	MICHAEL ELDER

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'

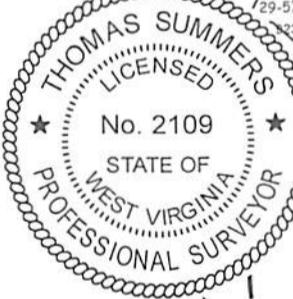


I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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 # MERCURY1HAD
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY SUBMETER
PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND		
---	Surface Owner Boundary Lines +/-	
---	Interior Surface Tracts +/-	
○	Proposed Well Path	
⊗	As Drilled Well Path	
THOMAS SUMMERS P.S. 2109		
DATE 11/12/25		
OPERATOR'S WELL# MERCURY UNIT #1H		
47	085	10540
STATE	COUNTY	PERMIT

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

LOCATION: ELEVATION AS BUILT - 1,007' WATERSHED NORTH FORK HUGHES RIVER
QUADRANGLE ELLENBORO 7.5' DISTRICT CLAY COUNTY RITCHIE

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 6,244' TVD 29,091' 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

FORM WW-6

AS DRILLED DATA:
WELL 1H TOP HOLE INFORMATION:
N: 290,278ft E: 1,569,442ft
LAT: 39°17'13.12" LON: 81°01'16.34"
BOTTOM HOLE INFORMATION:
N: 266,857ft E: 1,576,883ft
LAT: 39°13'22.88" LON: 80°59'36.77"
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: 4,348,632m E: 498,186m
BOTTOM HOLE INFORMATION:
N: 4,341,535m E: 500,572m

(NAD) 27 (UTM) ZONE 17 COORDS:
WELL 1H TOP HOLE INFORMATION:
N: 14,266,425ft E: 1,634,417ft
POINT OF ENTRY INFORMATION:
N: 14,264,338ft E: 1,634,961ft
BOTTOM HOLE INFORMATION:
N: 14,243,140ft E: 1,642,244ft

A1	RODNEY STEVE HOGUE
A2	RODNEY STEVE HOGUE
A3	RODNEY STEVE HOGUE
B	WV DIVISION OF MULTIMODAL TRANSPORTATION FACILITIES
C	KIMBERLY BARNES
D	NANCY LOUISE VAUGHN
E	DOROTHY L. KI EPPEL
F	RONALD LANE
G	RONALD LANE
H1	WILLIAM MOORE AND MELVINA MOORE
H2	WILLIAM MOORE AND MELVINA MOORE
H3	WILLIAM MOORE AND MELVINA MOORE
H4	WILLIAM MOORE AND MELVINA MOORE
H5	WILLIAM MOORE AND MELVINA MOORE
H6	WILLIAM MOORE AND MELVINA MOORE
I	WILLIAM MOORE AND MELVINA MOORE
J	WILLIAM MOORE AND MELVINA MOORE
K	WILLIAM MOORE AND MELVINA MOORE
L	WILLIAM MOORE AND MELVINA MOORE
M	LEE WILSON
N	REBETT LEGGETT AND DEBRA LEGGETT
O	MARK ALAN McDONALD
P	WILLIAM F. ZICKAFOOSE
Q	BOBBY J. BUNNER
R	BOBBY J. BUNNER
S1	NEAL COLLINS
S2	NEAL COLLINS
T	CRAIG LEE SETH AND LINDA EVE SETH
U	WAYNE DOUGLAS STEWART
V	JANET RIDDLE-STANLEY
Y	EMMA J. VALENTINE
Z	NEAL COLLINS
AA1	CHARLES A. BROADWATER, ET AL
AA2	CHARLES A. BROADWATER, ET AL
AA3	RICHARD BLOUIR, ET AL
AB	CORA ELDER
AC	BURL DODD, ET AL
AD	ANTERO MINERALS, LLC
AE	CHAD W. JOHNSON
AF	VIRGINIA L. CONNORS
AG	AGNES L. ROGERS
AH	DELANO PERLE HAYHURST
AI	DELANO PERLE HAYHURST
AJ	DELANO PERLE HAYHURST
AK	JOHN MICHAEL ANKROM
AL	MILDRED MAY LAMBERT

02/06/2026

As Drilled

LATITUDE 39°17'30"

6,002'

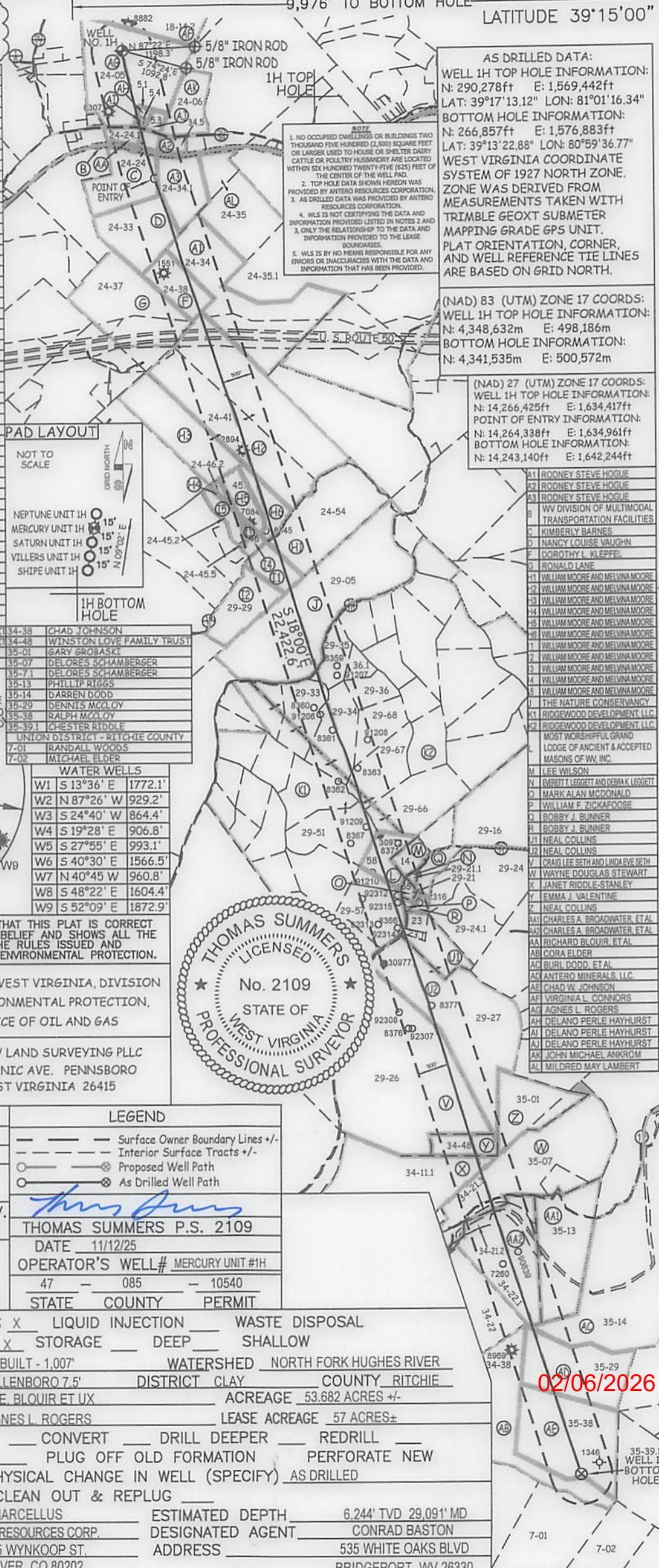
LATITUDE 39°15'00"

1,709' LONGITUDE 81°00'00"

9,826' TO BOTTOM HOLE LONGITUDE 80°57'30"

Antero Resources Corporation Well No. Mercury #1H

CLAY DISTRICT - RITCHIE COUNTY	
18-14.2	RONALD HAYHURST
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34-21.3	LITTLE CANYON SOIL CONSERVATION DISTRICT
34-22	GARY BROADWATER
34-22.1	GARY BROADWATER



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.

AS DRILLED DATA:

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 N: 290,278ft E: 1,569,442ft
 LAT: 39°17'13.12" LON: 81°01'16.34"

BOTTOM HOLE INFORMATION:
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 LAT: 39°13'22.88" LON: 80°59'36.77"

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 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.

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WELL 1H TOP HOLE INFORMATION:
 N: 4,348,632m E: 498,186m

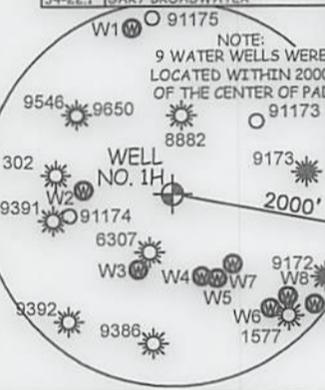
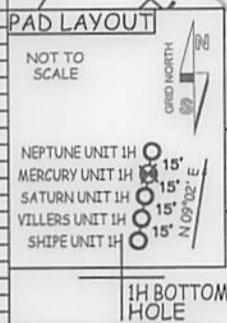
BOTTOM HOLE INFORMATION:
 N: 4,341,535m E: 500,572m

(NAD) 27 (UTM) ZONE 17 COORDS:

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UNION DISTRICT - RITCHIE COUNTY	
7-01	RANDALL WOODS
7-02	MICHAEL ELDER

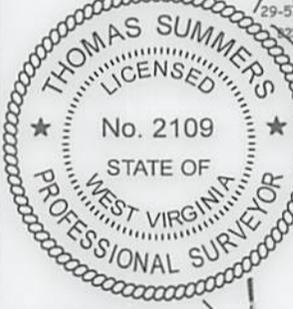
W1	S 13°36' E	1772.1'
W2	N 87°26' W	929.2'
W3	S 24°40' W	864.4'
W4	S 19°28' E	906.8'
W5	S 27°55' E	993.1'
W6	S 40°30' E	1566.5'
W7	N 40°45' W	960.8'
W8	S 48°22' E	1604.4'
W9	S 52°09' E	1872.9'

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 # MERCURY1HAD
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY SUBMETER
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS

STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

LEGEND		
---	---	Surface Owner Boundary Lines +/-
---	---	Interior Surface Tracts +/-
○	○	Proposed Well Path
○	○	As Drilled Well Path
THOMAS SUMMERS P.S. 2109		
DATE 11/12/25		
OPERATOR'S WELL# MERCURY UNIT #1H		
47	085	10540
STATE	COUNTY	PERMIT

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

LOCATION: ELEVATION AS BUILT - 1,007' WATERSHED NORTH FORK HUGHES RIVER
 QUADRANGLE ELLENBORO 7.5' DISTRICT CLAY COUNTY RITCHIE

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 6,244' TVD 29,091' 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

02/06/2026