



Antero Resources
1615 Wynkoop Street
Denver, CO 80202
Office 303.357.7310
Fax 303.357.7315

August 6th, 2025

West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street
Charleston, WV 25304

To whom it may concern:

Please find enclosed the Well Operator's Report of Well Work, Form WR-35 (including As-Drilled Survey Plat, Directional Survey and FracFocus report), Discharge Monitoring Report Form WR-34 and corresponding logs for the following wells:

➤ **Locke Pad** – Farley Unit 1H, Farley Unit 2H, Osborne Unit 1H & Osborne Unit 2H

If you have any questions please feel free to contact me at (303) 357-7373.

Sincerely,

A handwritten signature in black ink, appearing to be "CW", written over a horizontal line.

Carly Wren
Permitting Agent
Antero Resources Corporation

Enclosures

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

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API 47 - 017 - 06973 County Doddridge District Southwest
Quad Oxford 7.5' Pad Name Locke Pad Field/Pool Name ----
Farm name Antero Resources Corporation Well Number Osborne Unit 2H
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 4336562m Easting 514442m
Landing Point of Curve Northing 4336635.13m Easting 514218.64m
Bottom Hole Northing 4340256m Easting 512729m

Elevation (ft) 1100.5' 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 12/13/2023 Date drilling commenced 12/22/2024 Date drilling ceased 2/17/2025
Date completion activities began 3/30/2025 Date completion activities ceased 5/8/2025
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 775', 781' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 1733', 1750' 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:
SK 8-28-25
01/23/2026

WR-35
Rev. 8/23/13

Page 2 of 4

API 47- 017 - 06973 Farm name Antero Resources Corporation Well number Osborne Unit 2H

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"	125.5'	New	91.59#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	462'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	2933'	New	34.89#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	19885'	New	23#, P-110	N/A	Y
Tubing		2-3/8"	6629'		4.7#, P-110		
Packer type and depth set		N/A					

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Class A	386 sx	15.6	1.18	455	0'	8 Hrs.
Surface	Class A	439 sx	15.6	1.19	522	0'	8 Hrs.
Coal							
Intermediate 1	Class H	995 sx	15.6	1.18	1174	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	3516 sx (Tail)	12.5 (Lead), 15.2 (Tail)	1.26 (Tail)	4430	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 19885' MD, 6614' TVD (BHL), 6615' (Deepest Point Drilled) Loggers TD (ft) 19885' MD
Deepest formation penetrated Marcellus Plug back to (ft) N/A
Plug back procedure N/A

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Kick off depth (ft) 5681'
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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 47-017 - 06973 Farm name Antero Resources Corporation Well number Osborne Unit 2H

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)

***PLEASE SEE ATTACHED EXHIBIT 1**

[illegible]

Please insert additional pages as applicable.

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STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

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[illegible]

***PLEASE SEE ATTACHED EXHIBIT 2**

[illegible]

Please insert additional pages as applicable.

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API 47- 017 - 06973 Farm name Antero Resources Corporation Well number Osborne Unit 2H

PRODUCING FORMATION(S)	DEPTHS		
Marcellus	6487' (TOP)	TVD	6775' (TOP) MD

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ☒ Open Flow OIL TEST ☒ Flow ☐ Pump

SHUT-IN PRESSURE Surface 1981 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas Oil NGL Water GAS MEASURED BY
11758 mefcpd 184 bpd --- bpd 1203 bpd ☐ Estimated ☒ Orifice ☐ Pilot

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

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					Environmental Protection

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 Dowell Schlumberger
Address 600 Industrial Drive City Beckley State WV Zip 25801

Stimulating Company NexTier Completion Solutions
Address 1650 Hackers Creek Rd City Jane Lew State WV Zip 26378

Please insert additional pages as applicable.

Completed by Carly Wren Telephone 303-357-7373
Signature [Signature] Title Permitting Agent Date 7/31/2025

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

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API 47-017-06973 Farm Name Antero Resources Corporation Well Number Osborne Unit 2H

Exhibit 1

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/30/2025	19831.20	19817.10	60	Marcellus
2	3/30/2025	19778.59	19614.04	60	Marcellus
3	3/31/2025	19578.73	19414.18	60	Marcellus
4	3/31/2025	19378.87	19214.32	60	Marcellus
5	3/31/2025	19179.01	19014.46	60	Marcellus
6	4/1/2025	18979.15	18814.60	60	Marcellus
7	4/1/2025	18779.29	18614.74	60	Marcellus
8	4/1/2025	18579.43	18414.88	60	Marcellus
9	4/2/2025	18379.57	18215.02	60	Marcellus
10	4/2/2025	18179.71	18015.16	60	Marcellus
11	4/2/2025	17979.85	17815.30	60	Marcellus
12	4/3/2025	17779.99	17615.44	60	Marcellus
13	4/3/2025	17580.13	17415.58	60	Marcellus
14	4/3/2025	17380.27	17215.72	60	Marcellus
15	4/3/2025	17180.41	17015.86	60	Marcellus
16	4/4/2025	16980.55	16816.00	60	Marcellus
17	4/4/2025	16780.69	16616.14	60	Marcellus
18	4/4/2025	16580.83	16416.28	60	Marcellus
19	4/5/2025	16380.97	16216.42	60	Marcellus
20	4/5/2025	16181.11	16016.56	60	Marcellus
21	4/5/2025	15981.25	15816.70	60	Marcellus
22	4/6/2025	15781.39	15616.84	60	Marcellus
23	4/6/2025	15581.53	15416.98	60	Marcellus
24	4/6/2025	15381.67	15217.12	60	Marcellus
25	4/6/2025	15181.81	15017.26	60	Marcellus
26	4/7/2025	14981.95	14817.40	60	Marcellus
27	4/7/2025	14782.09	14617.54	60	Marcellus
28	4/7/2025	14582.23	14417.68	60	Marcellus
29	4/7/2025	14382.37	14217.82	60	Marcellus
30	4/8/2025	14182.51	14017.96	60	Marcellus
31	4/8/2025	13982.65	13818.10	60	Marcellus
32	4/8/2025	13782.79	13618.24	60	Marcellus
33	4/9/2025	13582.93	13418.38	60	Marcellus
34	4/9/2025	13383.07	13218.52	60	Marcellus
35	4/9/2025	13183.21	13018.66	60	Marcellus
36	4/10/2025	12983.35	12818.80	60	Marcellus
37	4/10/2025	12783.49	12618.94	60	Marcellus
38	4/10/2025	12583.63	12419.08	60	Marcellus
39	4/10/2025	12383.77	12219.22	60	Marcellus
40	4/11/2025	12183.91	12019.36	60	Marcellus
41	4/11/2025	11984.05	11819.50	60	Marcellus
42	4/11/2025	11784.19	11619.64	60	Marcellus
43	4/12/2025	11584.33	11419.78	60	Marcellus
44	4/12/2025	11384.47	11219.92	60	Marcellus
45	4/12/2025	11184.61	11020.06	60	Marcellus
46	4/13/2025	10984.75	10820.20	60	Marcellus
47	4/13/2025	10784.89	10620.34	60	Marcellus
48	4/13/2025	10585.03	10420.48	60	Marcellus
49	4/13/2025	10385.17	10220.62	60	Marcellus
50	4/14/2025	10185.31	10020.76	60	Marcellus
51	4/14/2025	9985.45	9820.90	60	Marcellus
52	4/14/2025	9785.59	9621.04	60	Marcellus
53	4/15/2025	9585.73	9421.18	60	Marcellus
54	4/15/2025	9385.87	9221.32	60	Marcellus
55	4/15/2025	9186.01	9021.46	60	Marcellus
56	4/16/2025	8986.15	8821.60	60	Marcellus
57	4/16/2025	8786.29	8621.74	60	Marcellus
58	4/16/2025	8586.43	8421.88	60	Marcellus
59	4/16/2025	8386.57	8222.02	60	Marcellus
60	4/17/2025	8186.71	8022.16	60	Marcellus
61	4/17/2025	7986.85	7822.30	60	Marcellus
62	4/17/2025	7786.99	7622.44	60	Marcellus
63	4/17/2025	7587.13	7422.58	60	Marcellus
64	4/18/2025	7387.27	7222.72	60	Marcellus
65	4/18/2025	7187.41	7022.86	60	Marcellus
66	4/18/2025	6987.55	6823.00	60	Marcellus

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API 47-017-06973 Farm Name Antism Resources Corporation Well Number Osborne Unit 2H

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	3/30/2025	77.1	9353	7079	3719	112000	3787	N/A
2	3/30/2025	89.6	10113	6462	4068	412380	6948	N/A
3	3/31/2025	85.9	9810	7409	3628	403180	6898	N/A
4	3/31/2025	95.2	10505	8159	4199	402240	6886	N/A
5	3/31/2025	92.5	9922	7364	3580	414320	7026	N/A
6	4/1/2025	98.2	10024	8680	3937	405020	6864	N/A
7	4/1/2025	96.8	10422	7748	3601	396600	6775	N/A
8	4/1/2025	92.6	9702	7425	4045	403760	7034	N/A
9	4/2/2025	93.5	10272	7119	3574	405060	6839	N/A
10	4/2/2025	96.7	10063	7787	3801	407020	6897	N/A
11	4/2/2025	95.5	10279	8170	3335	402880	6835	N/A
12	4/3/2025	95.5	10341	6469	3737	413180	7043	N/A
13	4/3/2025	96.6	10070	8769	3725	413360	6784	N/A
14	4/3/2025	96.6	8883	6309	3278	411860	6731	N/A
15	4/3/2025	96.7	9819	6479	2065	407980	6945	N/A
16	4/4/2025	94.1	9717	6597	2055	406660	7077	N/A
17	4/4/2025	97.2	10126	7781	3708	402600	6929	N/A
18	4/4/2025	96.2	9725	6233	3586	401540	6840	N/A
19	4/5/2025	97.1	9872	7148	2696	403240	6777	N/A
20	4/5/2025	95.7	9721	6790	3393	402260	6773	N/A
21	4/5/2025	95.3	9598	6467	3284	402180	6739	N/A
22	4/6/2025	96.8	9878	6149	3584	401960	6957	N/A
23	4/6/2025	97.0	9598	8162	3864	414060	7060	N/A
24	4/6/2025	96.9	9684	7033	3453	402600	6748	N/A
25	4/6/2025	96.3	9264	6584	3899	409600	6900	N/A
26	4/7/2025	95.7	9495	6608	3686	407500	6928	N/A
27	4/7/2025	96.8	9204	6433	3517	403740	6811	N/A
28	4/7/2025	97.2	9184	6151	2462	402360	6674	N/A
29	4/7/2025	95.9	9111	6270	3442	414520	6901	N/A
30	4/8/2025	95.3	9028	7089	3622	406620	6852	N/A
31	4/8/2025	96.9	9506	7103	3808	402080	6752	N/A
32	4/8/2025	86.6	8414	5961	2902	399320	7416	N/A
33	4/9/2025	99.0	9063	5829	3565	400840	6704	N/A
34	4/9/2025	97.0	9180	6097	3911	404320	7277	N/A
35	4/9/2025	95.5	9136	7266	3232	397760	6983	N/A
36	4/10/2025	95.8	8615	7112	2764	405100	7045	N/A
37	4/10/2025	98.4	8733	6035	2818	401600	6982	N/A
38	4/10/2025	94.4	8391	4415	3273	407580	7073	N/A
39	4/10/2025	97.3	8298	3633	3002	407260	7100	N/A
40	4/11/2025	99.5	8757	7288	2324	405000	7064	N/A
41	4/11/2025	95.9	8635	6794	2526	399500	6976	N/A
42	4/11/2025	98.5	8440	6810	3161	409460	6954	N/A
43	4/12/2025	97.5	8350	6895	3942	388280	6801	N/A
44	4/12/2025	95.7	8423	6530	3689	404780	7044	N/A
45	4/12/2025	95.3	8218	7172	2993	408120	6825	N/A
46	4/13/2025	98.5	8014	6941	3232	403800	6805	N/A
47	4/13/2025	96.8	7794	7078	2599	418860	7201	N/A
48	4/13/2025	97.0	7998	5520	3755	407080	6996	N/A
49	4/13/2025	98.2	7968	6325	2999	410000	7089	N/A
50	4/14/2025	98.5	8044	6666	3795	404980	6994	N/A
51	4/14/2025	95.8	7803	5917	3389	408760	6993	N/A
52	4/14/2025	98.4	7678	6416	3153	413680	7208	N/A
53	4/15/2025	98.8	8061	6413	2812	397500	6728	N/A
54	4/15/2025	97.0	7912	6376	3324	404460	6801	N/A
55	4/15/2025	97.9	7703	6368	3299	412080	6846	N/A
56	4/16/2025	98.3	7809	7479	3270	410440	6872	N/A
57	4/16/2025	97.0	7525	5907	3091	411860	6951	N/A
58	4/16/2025	97.2	7477	5968	3448	415340	7883	N/A
59	4/16/2025	98.3	7704	6951	3420	411120	6695	N/A
60	4/17/2025	97.4	7660	6661	3359	406540	6671	N/A
61	4/17/2025	94.3	7209	6451	3248	403960	6705	N/A
62	4/17/2025	94.1	7161	6310	3374	415980	6996	N/A
63	4/17/2025	97.4	7002	6058	3393	403280	6642	N/A
64	4/18/2025	97.4	7224	6019	3822	403280	6811	N/A
65	4/18/2025	97.7	7308	7286	3692	411700	6598	N/A
66	4/18/2025	96.3	7119	5860	3198	407200	6826	N/A
	AVERAGE	96	8,835	6,710	3,366	26,515,180	453,365	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	424	574	424	574
Sandstone, rr Siltstone	574	724	574	724
Silty Sandstone	724	1,024	724	1,024
Sandstone, Siltstone	774	1,374	774	1,374
Silty Sandstone	1,024	1,374	1,024	1,374
Silty Sandstone	1,374	1,474	1,374	1,474
Sandstone, Occ Siltstone	1,474	1,724	1,474	1,724
Sandstone, Siltstone	1,724	1,774	1,724	1,774
Siltstone, Sandstone	1,774	1,874	1,774	1,874
Sandy Siltstone, Occ Limestone	1,874	1,840	1,874	1,842
Big Lime	1,866	2,603	1,842	2,605
Fifty Foot Sandstone	2,603	2,760	2,579	2,762
Gordon	2,760	2,887	2,736	2,888
Fifth Sandstone	2,887	2,991	2,862	2,993
Bayard	2,991	3,757	2,967	3,759
Speechley	3,757	3,932	3,733	3,935
Balltown	3,932	4,432	3,909	4,445
Bradford	4,432	4,832	4,419	4,857
Benson	4,832	5,078	4,831	5,112
Alexander	5,078	6,330	5,086	6,450
Sycamore	6,117	6,304	6,193	6,424
Middlesex	6,304	6,415	6,424	6,604
Burkett	6,415	6,460	6,604	6,699
Tully	6,460	6,487	6,699	6,775
Marcellus	6,487	NA	6,775	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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Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	03/30/2025
Job End Date:	04/18/2025
State:	West Virginia
County:	Doddridge
API Number:	47-017-06973-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Osborne Unit 2H
Latitude:	39.177559
Longitude:	-80.83354
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	6762
Total Base Water Volume (gal)*:	19805856
Total Base Non Water Volume:	0



Water Source	Percent
Groundwater, < 1000TDS	100.00%

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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 100CE-8	NexTier Completions Solutions	Friction Reducer					
SlickStim 150CE-15	NexTier Completions	Friction Reducer					

01/23/2026

	Solutions			RECEIVED Office of Oil & Gas AUG 07 2025 WV Department of Environmental Protection			
StimBreak Encap APB LT	NexTier Completions Solutions	Breaker					
Water	Operator	Carrier Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	85.81479	
			Crystalline Silica	14808-60-7	99.90000	13.79986	
			Water	7732-18-5	85.00000	0.26752	
			Hydrochloric Acid	7647-01-0	15.00000	0.04721	
			Aluminum Oxide	1344-28-1	0.10000	0.01381	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00755	
			Copolymer of 2- propenamide	Proprietary	30.00000	0.00755	
			Distillates (petroleum), hydrotreated light	64742-47-8	30.00000	0.00614	
			Chemplex-Polymer-00019	Proprietary	20.00000	0.00409	
			Glutaraldehyde	111-30-8	30.00000	0.00280	
			ammonium chloride	12125-02-9	5.00000	0.00126	
			ammonium chloride	12125-02-9	5.00000	0.00102	
			alcohols, C12-16, ethoxylated	68551-12-2	5.00000	0.00102	
			oleic acid diethanolamide	93-83-4	5.00000	0.00102	
			Surfactant	Proprietary	3.00000	0.00075	
			Distillates (Petroleum), Hydrotreated Light	64742-47-8	50.00000	0.00067	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00047	
			1-Decanaminium, N-decyl- N,N-dimethyl-,chloride	7173-51-5	5.00000	0.00047	
			Ammonium Persulfate	7727-54-0	90.00000	0.00020	
			Ethylene glycol	107-21-1	45.00000	0.00014	
			Glycol Ether EB	111-76-2	45.00000	0.00014	
			Bentonite	1302-78-9	5.00000	0.00007	
			Alkoxylated Isodecyl Alcohol	154518-36-2	5.00000	0.00007	
			N,N-Dimethylformamide	68-12-2	20.00000	0.00006	
			Tar bases,quinoline derivs.,benzyl chloride- quaternized	72480-70-7	20.00000	0.00006	

01/23/2026

			Water	7732-18-5	15.00000	0.00005	
			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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	<u>Zero</u>	<u>Cal</u>	<u>Zero</u>	<u>Cal</u>	<u>Gain</u>	<u>Offset</u>
CAL	0.000	0.000	0.002	0.283	1.000	0.000

Air Zero Calibration, performed Tue Mar 11 17:06:05 2025:

	Raw (v)	Calibrated (v)	Results
	<u>Zero</u>	<u>Zero</u>	<u>Offset</u>
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

RECEIVED
Office of Oil & Gas
AUG 07 2025
WV Department of
Environmental Protection



Company	ANTERO RESOURCES
Well	OSBORNE 2H
Field	WHITE OAK
County	DODDRIDGE
State	WV

As-Drilled

LATITUDE 39°12'30"

11,708'

LATITUDE 39°15'00"

5,495' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Osborne #2H

AS DRILLED DATA

WELL 2H TOP HOLE INFORMATION:
N: 249,777ft E: 1,622,129ft
LAT: 39°10'41.1" LON: 80°49'58.67"
BOTTOM HOLE INFORMATION:
N: 261,992ft E: 1,616,710ft
LAT: 39°12'41.0" LON: 80°51'09.81"
WEST VIRGINIA COORDINATE
SYSTEM OF 1927 NORTH ZONE
ZONE WAS DERIVED FROM
MEASUREMENTS TAKEN WITH
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MAPPING GRADE GPS UNIT.
PLAT ORIENTATION, CORNER,
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ARE BASED ON GRID NORTH.

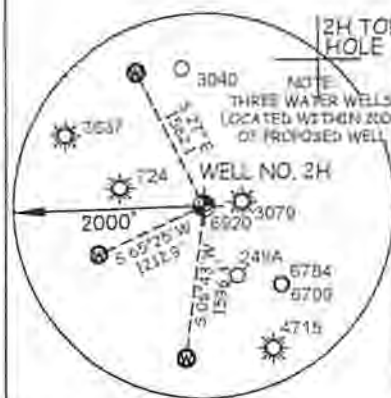
(NAD) 83 (UTM) ZONE 17 COORDS:
WELL 2H TOP HOLE INFORMATION:
N: 4,336,562m E: 514,442m
BOTTOM HOLE INFORMATION:
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(NAD) 27 (UTM) ZONE 17 COORDS:
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N: 14,226,823ft E: 1,687,752ft
POINT OF ENTRY INFORMATION:
N: 14,226,872ft E: 1,687,195ft
BOTTOM HOLE INFORMATION:
N: 14,238,941ft E: 1,682,133ft

1-1	JEFFREY POLAN
4-2	KEVASCO FAMILY TRUST
4-4	JUANITA LEGGETT
4-5	ILL MORRIS
4-18	JAMES WEBB
4-19.5	DANA HURST
4-19.6	TERON SWICK
4-19.7	JAMES WEBB
4-19.8	JAMES WEBB
4-19.9	JAMES WEBB
4-21	ANTHONY AYERS
4-24	ILL MORRIS
4-26	ANTHONY AYERS
4-27	ANTHONY AYERS
4-28	STEVEN SMITH
4-28.1	STANLEY WEBB
4-28.2	DEPT. OF HIGHWAYS
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4-30	RICHARD PARSONS
4-31	VIKE MOORE
4-32	JOHN HEWINS
4-32.1	NICOLAS WEBB
4-33	TINA OSBORNE
5-01	RICHARD BROWN
5-03	RANDALL RUSSELL
5-04	JOHN GRAY HRS
5-05	LARRY BANDER
5-11	TINA OSBORNE
5-21	BRIAN PRIM
5-22	JUANITA LEGGETT
5-07	BRIAN PRIM
5-08	ROBERT LEE BROWNFIELD JR
5-09	ANTERO RESOURCES CORP
5-10	DELBERT OSBORNE
5-14	KERRY JUNKINS
5-15	ROBERT LEE BROWNFIELD JR
12-01	DAVID BALL JR.
15-05	LARRY BANDER

L	SOPHIA HILEMAN ET AL
M	STEVEN L LEGGETT
N	HAZEL N. WEST ET AL
O1	E.W. OSBURN ET AL
O2	E.W. OSBURN ET AL
O3	E.W. OSBURN ET AL
P	CHARLES J DENNISON
Q	J. S. BRITTON ET UX

A	N.B. LEGGETT ET AL
B	ILL MORRIS
C1	WL. STINESPRING ET UX
C2	WL. STINESPRING ET UX
E1	GEORGE J. STANSBERRY ET UX
E2	GEORGE J. STANSBERRY ET UX
F1	SARAH D. SCOTT AND ROSCOE SCOTT
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G2	LINDA SUE BEACH
J	FLOYD LARRY WHEELER
K1	MYRTLE R. WILSON ET VIR
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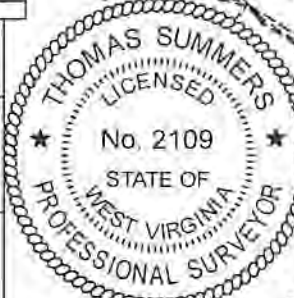


I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.



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 # 23-019WA
DRAWING # OSBORNE2HAD
SCALE 1" = 2000'
MINIMUM DEGREE OF
ACCURACY SUBMETER
PROVEN SOURCE OF ELEV.
SUBMETER MAPPING GRADE GPS

LEGEND
--- Surface Owner Boundary Lines +/-
--- Interior Surface Tracts +/-
--- Proposed Well Path
--- As Drilled Well Path
THOMAS SUMMERS P.S. 2109



NOTE:
1. NO COORDINATES OR BOUNDARIES SHOWN ON THIS PLAT ARE TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH THEY WERE PREPARED.
2. THE LOCATION OF THE WELL IS SHOWN ON THIS PLAT FOR INFORMATION ONLY. THE LOCATION OF THE WELL IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.
3. THE LOCATION OF THE WELL IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PREPARED.

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

DATE 7/23/25
OPERATOR'S WELL# OSBORNE UNIT #2H

WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ 47 - 017 - 06973
(IF "GAS") PRODUCTION ☒ STORAGE ☐ DEEP ☐ SHALLOW ☒ STATE COUNTY PERMIT
LOCATION: ELEVATION 1,100.5' AS BUILT WATERSHED SOUTH FORK HUGHES RIVER
QUADRANGLE OXFORD 7.5 DISTRICT SOUTHWEST COUNTY DODDRIDGE
SURFACE OWNER ANTERO RESOURCES CORPORATION ACREAGE 59.74 ACRES +/- 01/23/2026
OIL & GAS ROYALTY OWNER E.W. OSBORNE ET AL LEASE ACREAGE 180 AC.

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 6,614' TVD 19,885' MD
WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT CONRAD BASTON
ADDRESS 1615 WYNKOOP ST. ADDRESS 535 WHITE OAKS BLVD
FORM WW-6 DENVER, CO 80202 BRIDGEPORT, WV 26330

COUNTY NAME PERMIT

As-Drilled

LATITUDE 39°12'30"

11,708'

LATITUDE 39°15'00"

5,495' TO BOTTOM HOLE

Antero Resources Corporation
Well No. Osborne #2H

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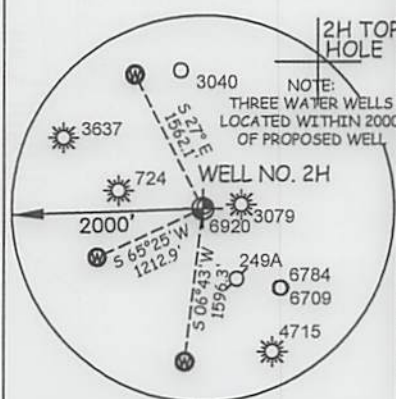
SOUTHWEST DIST. DODDRIDGE CO.
1-1 JEFFREY POLAN
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4-5 I.L. MORRIS
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J FLOYD LARRY WHEELER
K1 MYRTLE R. WILSON ET VIR
K2 MYRTLE R. WILSON ET VIR

WV NORTH ZONE
GRID NORTH

14,060' TO BOTTOM HOLE
LONGITUDE 80°50'00"
LONGITUDE 80°47'30"

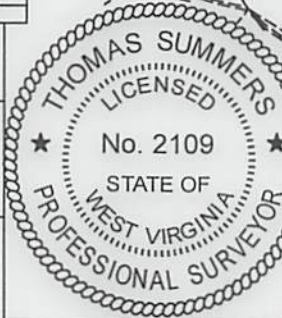


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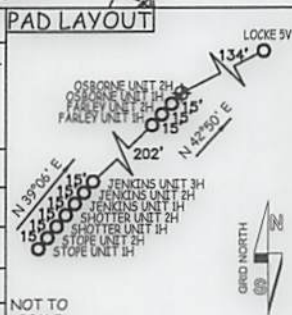
STATE OF WEST VIRGINIA, DIVISION
OF ENVIRONMENTAL PROTECTION,
OFFICE OF OIL AND GAS

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



JOB # 23-019WA
DRAWING # OSBORNE2HAD
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 7/23/25
OPERATOR'S WELL# OSBORNE UNIT #2H



NOTE
1. 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.
2. TOP HOLE DATA SHOWN HEREON WAS PROVIDED BY
ANTERO RESOURCES CORPORATION.
3. AS DRILLED DATA WAS PROVIDED BY ANTERO RESOURCES
CORPORATION.
4. 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.
5. WLS IS BY NO MEANS RESPONSIBLE FOR ANY ERRORS OR
INACCURACIES WITH THE DATA AND INFORMATION THAT
HAS BEEN PROVIDED.

WELL TYPE: OIL ☐ GAS ☒ LIQUID INJECTION ☐ WASTE DISPOSAL ☐ 47 - 017 - 06973
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PLUG OFF OLD FORMATION ☐ PERFORATE NEW FORMATION ☐ OTHER PHYSICAL CHANGE IN WELL ☒
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COUNTY NAME PERMIT