

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

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AUG 03 2026

WV Department of
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API 47 - 017 - 06992 County Doddridge District New Milton
Quad New Milton Pad Name Brushy Pad Field/Pool Name -----
Farm name Sandra E. Erwin Well Number Mary Ann 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 526283m Easting 4334243m
Landing Point of Curve Northing 525263m Easting 4333516m
Bottom Hole Northing 526442m Easting 4330118m

Elevation (ft) 1213' 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 9/2/2025 Date drilling commenced 10/1/2025 Date drilling ceased 2/13/2026
Date completion activities began 4/6/2026 Date completion activities ceased 5/11/2026
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 702' Open mine(s) (Y/N) depths No
Salt water depth(s) ft 2307' 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:

Reviewed

09/04/2026

S. K. 8-12-26

API 47-017 - 06992 Farm name Sandra E. Erwin Well number Mary Ann 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"	125.5'	New	94#, J-55	N/A	Y
Surface	17-1/2"	13-3/8"	825'	New	54.5#, J-55	N/A	Y
Coal							
Intermediate 1	12-1/4"	9-5/8"	3911'	New	36#, J-55	N/A	Y
Intermediate 2							
Intermediate 3							
Production	8-3/4"/8-1/2"	5-1/2"	21403'	New	20#, P-110	N/A	Y
Tubing		2-3/8"	8307'		4.7#, P-110		
Packer type and depth set		N/A					

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Comment Details _____

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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	373 sx	15.6	1.18	440	0'	8 Hrs.
Surface	Class A	657 sx	15.6	1.19	782	0'	8 Hrs.
Coal							
Intermediate 1	Class H	1318 sx	15.6	1.18	1555	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class G	3663 sx	13.5 (Lead), 15.2 (Tail)	1.26 (Lead)	4615	~500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 21403' MD, 7044' TVD (BHL), 7197' (Deepest Point Drilled) Loggers TD (ft) 21403' MD

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

Plug back procedure N/A

Kick off depth (ft) 7259'

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

09/04/2026

Sh Kiv

API 47- 017 - 06992 Farm name Sandra E. Erwin Well number Mary Ann 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					

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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								

Please insert additional pages as applicable.

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PRODUCING FORMATION(S)

DEPTHS

Marcellus 7082' (TOP) TVD 8674' (TOP) MD

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Please insert additional pages as applicable.

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

SHUT-IN PRESSURE Surface 2420 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 14917 mcfpd Oil 58 bpd NGL --- bpd Water 952 bpd GAS MEASURED BY ☐ Estimated ☒ Orifice ☐ Pilot

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

Please insert additional pages as applicable.

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

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

Cementing Company SLB
Address 5599 San Felipe, 17th Floor City Houston State TX Zip 77056

Stimulating Company NexTier Completion Solutions
Address 3990 Rogerdale Rd City Houston State TX Zip 77042

Please insert additional pages as applicable.

Completed by Carly Wren Telephone 303-357-7373
Signature [Signature] Title Permitting Agent Date 7/31/20

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

09/04/2026

[Signature]

API 47-017-06992 Farm Name Sandra E. Erwin Well Number Mary Ann Unit 1H					
Exhibit 1					
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	4/6/2026	21358.0	21343.0	60	Marcellus
2	4/6/2026	21304.6	21139.7	60	Marcellus
3	4/7/2026	21104.3	20939.4	60	Marcellus
4	4/7/2026	20904.0	20739.1	60	Marcellus
5	4/7/2026	20703.8	20538.9	60	Marcellus
6	4/8/2026	20503.5	20338.6	60	Marcellus
7	4/8/2026	20303.2	20138.3	60	Marcellus
8	4/9/2026	20102.9	19938.0	60	Marcellus
9	4/9/2026	19902.6	19737.7	60	Marcellus
10	4/10/2026	19702.3	19537.4	60	Marcellus
11	4/11/2026	19502.0	19337.1	60	Marcellus
12	4/11/2026	19301.8	19136.9	60	Marcellus
13	4/12/2026	19101.5	18936.6	60	Marcellus
14	4/12/2026	18901.2	18736.3	60	Marcellus
15	4/12/2026	18700.9	18536.0	60	Marcellus
16	4/12/2026	18500.6	18335.7	60	Marcellus
17	4/13/2026	18300.3	18135.4	60	Marcellus
18	4/13/2026	18100.0	17935.1	60	Marcellus
19	4/13/2026	17899.8	17734.9	60	Marcellus
20	4/13/2026	17699.5	17534.6	60	Marcellus
21	4/14/2026	17499.2	17334.3	60	Marcellus
22	4/14/2026	17298.9	17134.0	60	Marcellus
23	4/14/2026	17098.6	16933.7	60	Marcellus
24	4/15/2026	16898.3	16733.4	60	Marcellus
25	4/15/2026	16698.0	16533.1	60	Marcellus
26	4/15/2026	16497.8	16332.9	60	Marcellus
27	4/15/2026	16297.5	16132.6	60	Marcellus
28	4/16/2026	16097.2	15932.3	60	Marcellus
29	4/16/2026	15896.9	15732.0	60	Marcellus
30	4/16/2026	15696.6	15531.7	60	Marcellus
31	4/16/2026	15496.3	15331.4	60	Marcellus
32	4/17/2026	15296.0	15131.1	60	Marcellus
33	4/17/2026	15095.8	14930.9	60	Marcellus
34	4/17/2026	14895.5	14730.6	60	Marcellus
35	4/17/2026	14695.2	14530.3	60	Marcellus
36	4/18/2026	14494.9	14330.0	60	Marcellus
37	4/18/2026	14294.6	14129.7	60	Marcellus
38	4/18/2026	14094.3	13929.4	60	Marcellus
39	4/18/2026	13894.0	13729.1	60	Marcellus
40	4/19/2026	13693.8	13528.9	60	Marcellus
41	4/19/2026	13493.5	13328.6	60	Marcellus
42	4/19/2026	13293.2	13128.3	60	Marcellus
43	4/20/2026	13092.9	12928.0	60	Marcellus
44	4/20/2026	12892.6	12727.7	60	Marcellus
45	4/20/2026	12692.3	12527.4	60	Marcellus
46	4/20/2026	12492.0	12327.1	60	Marcellus
47	4/21/2026	12291.8	12126.9	60	Marcellus
48	4/21/2026	12091.5	11926.6	60	Marcellus
49	4/21/2026	11891.2	11726.3	60	Marcellus
50	4/21/2026	11690.9	11526.0	60	Marcellus
51	4/21/2026	11490.6	11325.7	60	Marcellus
52	4/21/2026	11290.3	11125.4	60	Marcellus
53	4/22/2026	11090.0	10925.1	60	Marcellus
54	4/22/2026	10889.8	10724.9	60	Marcellus
55	4/22/2026	10689.5	10524.6	60	Marcellus
56	4/22/2026	10489.2	10324.3	60	Marcellus
57	4/22/2026	10288.9	10124.0	60	Marcellus
58	4/23/2026	10088.6	9923.7	60	Marcellus
59	4/23/2026	9888.3	9723.4	60	Marcellus
60	4/23/2026	9688.0	9523.1	60	Marcellus
61	4/23/2026	9487.8	9322.9	60	Marcellus
62	4/23/2026	9287.5	9122.6	60	Marcellus
63	4/23/2026	9087.2	8922.3	60	Marcellus
64	4/23/2026	8886.9	8722.0	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	4/6/2026	80.6	9318	4906	4857	115000	4075	N/A
2	4/6/2026	95.5	10226	6785	5873	407175	6889	N/A
3	4/7/2026	83.7	9475	6015	4890	410000	8779	N/A
4	4/7/2026	92.7	9893	6166	4730	402235	7104	N/A
5	4/7/2026	90.7	9864	6071	4176	406789	6833	N/A
6	4/8/2026	92.8	9883	6812	4664	407625	6967	N/A
7	4/8/2026	94.9	10089	7140	4586	404817	7071	N/A
8	4/9/2026	91.1	9945	6272	4479	405655	7028	N/A
9	4/9/2026	94.5	10061	5523	4853	395550	6919	N/A
10	4/10/2026	96.1	10080	5021	4380	407330	6974	N/A
11	4/11/2026	94.3	9794	4865	3782	406755	7053	N/A
12	4/11/2026	97.0	9924	4697	5247	405010	6882	N/A
13	4/12/2026	94.8	9961	6374	4460	406855	6971	N/A
14	4/12/2026	97.0	9975	6062	4664	404400	7011	N/A
15	4/12/2026	97.0	9820	7584	4693	407810	6938	N/A
16	4/12/2026	96.0	9776	6927	4778	407755	6971	N/A
17	4/13/2026	93.4	9464	5027	4270	411000	7006	N/A
18	4/13/2026	95.7	10061	4550	4863	403570	6978	N/A
19	4/13/2026	90.5	10028	7104	5469	405000	6902	N/A
20	4/13/2026	89.9	9730	7468	4170	407755	6966	N/A
21	4/14/2026	97.4	9799	7317	4223	405130	6910	N/A
22	4/14/2026	98.1	9583	4882	4371	396690	6944	N/A
23	4/14/2026	96.1	9834	6073	4427	407000	6987	N/A
24	4/15/2026	96.7	9675	6431	4063	407755	7058	N/A
25	4/15/2026	98.1	9650	4901	4198	405815	6929	N/A
26	4/15/2026	97.3	9503	4725	4255	403790	6895	N/A
27	4/15/2026	96.9	9294	4878	4112	410988	6879	N/A
28	4/16/2026	95.6	9391	6562	4223	403655	6811	N/A
29	4/16/2026	97.5	9182	3010	4391	404855	6826	N/A
30	4/16/2026	94.7	9515	6277	4125	409420	7025	N/A
31	4/16/2026	95.3	9451	7115	4299	401703	6901	N/A
32	4/17/2026	97.5	9644	6744	4278	405260	7062	N/A
33	4/17/2026	97.3	9892	4698	4775	406700	6877	N/A
34	4/17/2026	97.9	9775	4991	4783	405400	6928	N/A
35	4/17/2026	96.0	9457	5243	4002	405275	6695	N/A
36	4/18/2026	96.7	9198	7073	3665	402235	6757	N/A
37	4/18/2026	98.6	9302	4876	3655	405860	6813	N/A
38	4/18/2026	98.0	8846	4577	3907	406880	6832	N/A
39	4/18/2026	97.3	9262	7364	3800	404055	6994	N/A
40	4/19/2026	97.8	9175	7002	3738	406795	6875	N/A
41	4/19/2026	89.0	9290	7835	4143	407570	7622	N/A
42	4/19/2026	95.6	8830	7378	4016	410800	6677	N/A
43	4/20/2026	95.4	8722	6752	4054	402995	6825	N/A
44	4/20/2026	96.8	8944	4119	4071	403882	6857	N/A
45	4/20/2026	96.1	8644	5138	4511	406430	8210	N/A
46	4/20/2026	97.3	8955	7172	4213	401855	6969	N/A
47	4/21/2026	97.9	8633	5614	3586	405655	6893	N/A
48	4/21/2026	98.5	8590	3416	4192	406610	6790	N/A
49	4/21/2026	98.4	9130	5935	4422	406840	6822	N/A
50	4/21/2026	98.0	9027	6748	4689	406960	6823	N/A
51	4/21/2026	97.1	8886	7161	4541	404606	6553	N/A
52	4/21/2026	97.3	8726	7384	4289	401855	6509	N/A
53	4/22/2026	97.6	8593	7223	3929	403375	6695	N/A
54	4/22/2026	96.9	8404	5783	4535	402790	6855	N/A
55	4/22/2026	98.3	8445	5296	4456	406900	6890	N/A
56	4/22/2026	98.2	8476	6834	3987	401631	6822	N/A
57	4/22/2026	89.2	8907	7485	4427	401605	7976	N/A
58	4/23/2026	98.6	8251	4115	4184	403755	6876	N/A
59	4/23/2026	96.8	8477	5046	4390	407000	6950	N/A
60	4/23/2026	97.5	8291	5690	4393	407000	6836	N/A
61	4/23/2026	97.8	8147	5630	4519	411665	6905	N/A
62	4/23/2026	97.8	8180	6774	4360	407351	6833	N/A
63	4/23/2026	96.3	8136	7107	4000	406760	6556	N/A
64	4/23/2026	95.9	7534	4371	3536	427979	6855	N/A
	AVERAGE	96	9,266	5,971	4,353	25,687,216	442,914	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	84	274	84	274
Sandstone, Occ Siltstone	274	424	274	424
Silty Sandstone	424	724	424	724
Sandstone, Siltstone	624	1,174	624	1,174
Sandy Siltstone	724	1,174	724	1,174
Sandy Siltstone	1,174	1,274	1,174	1,274
Siltstone, tr Sandstone	1,274	1,324	1,274	1,324
Siltstone, tr Sandstone, tr Shale	1,324	1,824	1,324	1,824
Sandstone	1,824	2,124	1,824	2,124
Sandstone, Occ Siltstone	2,124	2,274	2,124	2,274
Sandstone	2,274	2,324	2,274	2,324
Silty Sandstone	2,324	2,299	2,324	2,443
Big Lime	2,325	2,764	2,443	3,003
Fifty Foot Sandstone	2,764	2,960	2,977	3,233
Gordon	2,960	3,067	3,207	3,362
Fifth Sandstone	3,067	3,386	3,336	3,774
Bayard	3,386	3,938	3,748	4,475
Speechley	3,938	4,088	4,449	4,663
Balltown	4,088	4,751	4,637	5,489
Bradford	4,751	5,230	5,463	6,078
Benson	5,230	5,496	6,052	6,415
Alexander	5,496	6,853	6,389	8,130
Sycamore	6,665	6,827	7,871	8,104
Middlesex	6,827	6,963	8,104	8,344
Burkett	6,963	7,005	8,344	8,437
Tully	7,005	7,082	8,437	8,674
Marcellus	7,082	NA	8,674	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:	04/06/2026
Job End Date:	04/23/2026
State:	West Virginia
County:	Doddridge
API Number:	47-017-06992-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	Mary Ann Unit 1H
Latitude:	39.156997
Longitude:	-80.695799
Datum:	NAD83
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7136
Total Base Water Volume (gal)*:	19492284
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					
BELE LT Breaker	Chemstream	Breaker					
CIA-12	NexTier Completions Solutions	Acid corrosion inhibitor					
Clearal 268A	Chemstream	Biocide					
CoilSTREAM VB 625	Chemstream	Visc. Builder					
Other Chemical(s)	Listed Above	See Trade Name(s)					
StimSTEAM FR 9750	Chemstream	Friction Reducer					
StimSTREAM SC 398	Chemstream	Scale Control					

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Water	Operator	Carrier Fluid					
Items above are Trade Names. Items below are the individual ingredients.							
			Water	7732-18-5	100.00000	85.97513	
			Crystalline Silica	14808-60-7	99.90000	13.60926	
			Water	7732-18-5	85.00000	0.26728	
			Hydrochloric Acid	7647-01-0	15.00000	0.04717	
			Distillates (petroleum), hydrotreated light	64742-47-8	25.00000	0.01460	
			Aluminum Oxide	1344-28-1	0.10000	0.01362	
			Water	7732-18-5	90.00000	0.00731	
			Non-hazardous substances	Proprietary	90.00000	0.00728	
			Heavy Aliphatic Naphtha	64742-96-7	60.00000	0.00622	
			Guar gum	9000-30-0	50.00000	0.00518	
			Alcohols, C11-14-iso-, C13-rich, ethoxylated	78330-21-9	5.00000	0.00292	
			Ammonium Persulfate	7727-54-0	89.00000	0.00199	
			Glutaraldehyde	111-30-8	20.00000	0.00162	
			Bis(HexaMethylene Triamine Penta (Methylene Phosphoric Acid)) (BHMT)	34690-00-1	10.00000	0.00081	
			Trade Secret	Proprietary	5.00000	0.00052	
			Trade Secret	Proprietary	3.00000	0.00031	
			Trade Secret	Proprietary	3.00000	0.00031	
			Quaternary Ammonium Compounds, Benzyl-C12-C16-alkyldimethyl, Chlorides	68424-85-1	3.00000	0.00024	
			Didecyldimethylammonium Chloride	7173-51-5	3.00000	0.00024	
			Ethylene glycol	107-21-1	45.00000	0.00014	
			Glycol Ether EB	111-76-2	45.00000	0.00014	
			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	0.00005	
			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%

09/04/2026

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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WV Department of
Environmental Protection

09/04/2026

-8,311'

7,839' TO BOTTOM HOLE

LONGITUDE 80°40'00"

PERMIT