

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

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Office of Oil and Gas

OCT 29 2025

WV Department of  
Environmental Protection

API 47-017-06979 County Doddridge District McLellan  
Quad Center Point Pad Name Crimson Pad Field/Pool Name ----  
Farm name Shawn A. Glaspell Well Number Dodrill 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 4359528.439m Easting 527082.621m  
Landing Point of Curve Northing 4359446.26m Easting 527138.55m  
Bottom Hole Northing 4356051.478m Easting 528314.496m

Elevation (ft) 1222' 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 6/12/2024 Date drilling commenced 7/1/2024 Date drilling ceased 8/18/2024  
Date completion activities began 3/10/2024 2025 Date completion activities ceased 5/27/2025  
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 303', 953' Open mine(s) (Y/N) depths No  
Salt water depth(s) ft 2123' 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

APPROVED  
Reviewed by: Shirley  
03/13/2026

API 47- 017 - 06979 Farm name Shawn A. Glaspell Well number Dodrill 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	91.59#, J-55	N/A	Y	
Surface	17-1/2"	13-3/8"	1081'	New	54.5#, J-55	N/A	Y	
Coal								
Intermediate 1	12-3/8"	9-5/8"	3172'	New	36#, J-55	N/A	Y	
Intermediate 2								
Intermediate 3								
Production	8-3/4"/8-1/2"	5-1/2"	19488'	New	23#, P-110	N/A	Y	
Tubing		2-3/8"	7182'		4.7#, P-110			
Packer type and depth set		N/A					RECEIVED Office of Oil and Gas	

Comment Details \_\_\_\_\_

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CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	158 sx	15.6	1.18	186	0'	8 Hrs.
Surface	Class A	880 sx	15.6	1.19	1047	0'	8 Hrs.
Coal							
Intermediate 1	Class H	1094 sx	15.6	1.18	1291	0'	8 Hrs.
Intermediate 2							
Intermediate 3							
Production	Class H	5515 sx (Tail)	13.5 (Lead), 15.2(Tail)	1.26 (Tail)	6949	-500' into Intermediate Casing	8 Hrs.
Tubing							

Drillers TD (ft) 19488' MD, 7214' TVD (BHL), 7228' (Deepest Point Drilled) Loggers TD (ft) 19488' MD

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

Plug back procedure N/A

Kick off depth (ft) 6527'

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

**APPROVED**  03/13/2026



API 47- 017 - 06979 Farm name Shawn A. Glaspell Well number Dodrill Unit 1H

PRODUCING FORMATION(S)	DEPTHS	
<u>Marcellus</u>	<u>7123' (TOP)</u> TVD	<u>7392' (TOP)</u> 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 3255 psi Bottom Hole --- psi DURATION OF TEST --- hrs

OPEN FLOW Gas 17832 mcfpd Oil 26 bpd NGL --- bpd Water 323 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 <sub>2</sub> 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 Dowell Schlumberger  
Address 600 Industrial Dr City Beckley State WV Zip 25801

Stimulating Company Halliburton  
Address 3000 W. Sam Houston Pkwy City Houston State TX Zip 76114

Please insert additional pages as applicable.

Completed by Carly Wren Telephone 303-357-7373  
Signature [Signature] Title Permitting Agent Date 10/28/2025

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

APPROVED [Signature] 03/13/2026

API 47-017-06979 Farm Name Shawn A. Gaspell Well Number Dodrill Unit 1H

**Exhibit 1**

Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations
1	3/10/2025	19403	19359	60	Marcellus
2	3/11/2025	19320.51	19155.05	60	Marcellus
3	3/12/2025	19119.56	18954.11	60	Marcellus
4	3/12/2025	18918.61	18753.16	60	Marcellus
5	3/13/2025	18717.67	18552.21	60	Marcellus
6	3/13/2025	18516.72	18351.26	60	Marcellus
7	3/14/2025	18315.77	18150.32	60	Marcellus
8	3/14/2025	18114.82	17949.37	60	Marcellus
9	3/15/2025	17913.88	17748.42	60	Marcellus
10	3/15/2025	17712.93	17547.47	60	Marcellus
11	3/16/2025	17511.98	17346.53	60	Marcellus
12	3/16/2025	17311.04	17145.58	60	Marcellus
13	3/17/2025	17110.09	16944.63	60	Marcellus
14	3/17/2025	16909.14	16743.68	60	Marcellus
15	3/18/2025	16708.19	16542.74	60	Marcellus
16	3/18/2025	16507.25	16341.79	60	Marcellus
17	3/19/2025	16306.30	16140.84	60	Marcellus
18	3/19/2025	16105.35	15939.89	60	Marcellus
19	3/20/2025	15904.40	15738.95	60	Marcellus
20	3/20/2025	15703.46	15538.00	60	Marcellus
21	3/21/2025	15502.51	15337.05	60	Marcellus
22	3/21/2025	15301.56	15136.11	60	Marcellus
23	3/22/2025	15100.61	14935.16	60	Marcellus
24	3/22/2025	14899.67	14734.21	60	Marcellus
25	3/22/2025	14698.72	14533.26	60	Marcellus
26	3/23/2025	14497.77	14332.32	60	Marcellus
27	3/23/2025	14296.82	14131.37	60	Marcellus
28	3/24/2025	14095.88	13930.42	60	Marcellus
29	3/24/2025	13894.93	13729.47	60	Marcellus
30	3/25/2025	13693.98	13528.53	60	Marcellus
31	3/25/2025	13493.04	13327.58	60	Marcellus
32	3/26/2025	13292.09	13126.63	60	Marcellus
33	3/26/2025	13091.14	12925.68	60	Marcellus
34	3/27/2025	12890.19	12724.74	60	Marcellus
35	3/27/2025	12689.25	12523.79	60	Marcellus
36	3/28/2025	12488.30	12322.84	60	Marcellus
37	3/28/2025	12287.35	12121.89	60	Marcellus
38	3/29/2025	12086.40	11920.95	60	Marcellus
39	3/30/2025	11885.46	11720.00	60	Marcellus
40	3/30/2025	11684.51	11519.05	60	Marcellus
41	3/31/2025	11483.56	11318.11	60	Marcellus
42	3/31/2025	11282.61	11117.16	60	Marcellus
43	4/1/2025	11081.67	10916.21	60	Marcellus
44	4/2/2025	10880.72	10715.26	60	Marcellus
45	4/2/2025	10679.77	10514.32	60	Marcellus
46	4/3/2025	10478.82	10313.37	60	Marcellus
47	4/3/2025	10277.88	10112.42	60	Marcellus
48	4/4/2025	10076.93	9911.47	60	Marcellus
49	4/4/2025	9875.98	9710.53	60	Marcellus
50	4/5/2025	9675.04	9509.58	60	Marcellus
51	4/6/2025	9474.09	9308.63	60	Marcellus
52	4/6/2025	9273.14	9107.68	60	Marcellus
53	4/7/2025	9072.19	8906.74	60	Marcellus
54	4/7/2025	8871.25	8705.79	60	Marcellus
55	4/8/2025	8670.30	8504.84	60	Marcellus
56	4/9/2025	8469.35	8303.89	60	Marcellus
57	4/9/2025	8268.40	8102.95	60	Marcellus
58	4/9/2025	8067.46	7902.00	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	3/10/2025	83.5	10047.0	9661.6	4441.8	168000	4835.9	N/A
2	3/11/2025	97.7	10613.8	7235.0	5650.2	418980	7530.4	N/A
3	3/12/2025	94.8	10130.9	7330.7	4744.0	396570	7323.7	N/A
4	3/12/2025	96.0	9367.3	7185.1	4828.4	412620	6893.8	N/A
5	3/13/2025	97.0	10193.8	7426.0	5847.0	396760	6754.2	N/A
6	3/13/2025	96.4	10000.6	6835.0	5931.0	396970	6949.9	N/A
7	3/14/2025	96.6	10521.0	7476.4	4911.0	416580	6972.9	N/A
8	3/14/2025	96.8	10029.0	6920.8	5012.0	390070	6976.2	N/A
9	3/15/2025	97.1	10218.9	7028.8	4781.0	415300	7140.3	N/A
10	3/15/2025	97.3	10241.5	7276.4	5318.0	394140	7009.0	N/A
11	3/16/2025	97.0	9929.4	7187.8	4902.0	397930	7043.7	N/A
12	3/16/2025	98.1	10313.8	7075.5	4551.0	394370	6820.8	N/A
13	3/17/2025	96.7	9927.8	7014.8	4588.5	396180	6934.6	N/A
14	3/17/2025	98.8	10079.9	7072.2	4784.0	394010	7012.6	N/A
15	3/18/2025	97.2	9617.4	6272.2	4437.6	387360	6889.3	N/A
16	3/18/2025	96.0	9617.9	7129.1	4651.0	397220	6861.1	N/A
17	3/19/2025	94.1	9488.8	7194.6	4070.1	409040	7058.4	N/A
18	3/19/2025	97.1	9635.3	6646.5	6402.7	397570	6992.3	N/A
19	3/20/2025	98.2	9549.0	7407.8	4965.0	393020	6919.1	N/A
20	3/20/2025	98.1	9202.0	6327.6	4645.0	396900	6956.3	N/A
21	3/21/2025	97.3	9838.5	7139.8	4921.0	399540	6936.5	N/A
22	3/21/2025	96.2	9537.7	7254.6	4280.4	398390	6982.2	N/A
23	3/22/2025	98.2	9456.6	6509.1	5551.0	396810	6775.1	N/A
24	3/22/2025	98.0	9260.7	6734.4	4839.0	415260	7100.4	N/A
25	3/22/2025	97.9	9200.8	6576.6	4121.0	397180	6792.3	N/A
26	3/23/2025	99.3	9225.4	6459.7	4760.0	395080	6780.2	N/A
27	3/23/2025	96.4	8978.1	6357.2	6681.1	391310	6681.7	N/A
28	3/24/2025	99.1	9097.5	6742.2	4432.3	397760	6750.2	N/A
29	3/24/2025	95.8	9007.0	6575.1	4751.0	392470	6777.7	N/A
30	3/25/2025	99.2	9174.8	6583.4	5411.0	398250	6898.2	N/A
31	3/25/2025	99.5	9374.2	5986.5	4568.0	399070	6815.9	N/A
32	3/26/2025	97.3	9207.3	6541.2	4385.5	392275	6800.2	N/A
33	3/26/2025	98.8	9129.7	6997.7	4660.0	395950	6812.2	N/A
34	3/27/2025	97.7	9227.1	6958.3	4213.4	395420	6884.4	N/A
35	3/27/2025	98.2	9042.8	6818.1	4294.0	400940	6823.1	N/A
36	3/28/2025	98.6	8463.8	6841.5	3875.3	400910	6910.9	N/A
37	3/28/2025	99.3	8727.8	6317.7	3612.7	396780	6738.1	N/A
38	3/29/2025	98.1	8967.0	9392.3	4455.0	400630	6800.8	N/A
39	3/30/2025	97.8	8744.7	6679.2	4227.0	397830	6879.5	N/A
40	3/30/2025	99.1	8868.5	6865.0	4397.0	396710	6815.8	N/A
41	3/31/2025	97.5	8412.5	7102.0	4289.0	394850	6871.1	N/A
42	3/31/2025	99.6	8406.0	6751.0	4577.0	397610	6806.7	N/A
43	4/1/2025	98.6	8307.9	7408.8	4518.0	410500	6935.1	N/A
44	4/2/2025	97.8	8490.0	6071.0	4648.4	399320	6822.3	N/A
45	4/2/2025	99.2	8078.3	6120.5	6950.0	390320	6677.0	N/A
46	4/3/2025	97.6	7947.3	7293.2	4987.6	400830	6827.3	N/A
47	4/3/2025	98.8	8538.5	6276.1	5752.0	410820	6897.2	N/A
48	4/4/2025	98.4	8272.5	7006.9	4596.0	412520	6892.8	N/A
49	4/4/2025	98.3	8489.0	6633.2	3748.0	410040	7187.8	N/A
50	4/5/2025	98.7	8483.1	7086.1	4854.0	409600	6832.4	N/A
51	4/6/2025	98.3	8314.4	6541.7	4846.0	395880	6639.7	N/A
52	4/6/2025	99.3	8239.3	6520.9	4724.0	407740	7086.8	N/A
53	4/7/2025	97.9	8155.4	6580.1	4699.0	396120	6959.2	N/A
54	4/7/2025	97.9	8006.2	6975.0	4412.0	398690	6454.8	N/A
55	4/8/2025	98.5	7823.1	6814.2	4923.0	409020	6743.6	N/A
56	4/9/2025	96.5	7962.1	6378.8	5305.2	397750	6605.6	N/A
57	4/9/2025	97.2	8045.7	5858.0	3852.4	394670	6554.5	N/A
58	4/9/2025	97.6	7921.4	5792.7	3866.0	395770.0	6580.9	N/A
	AVERAGE	97	9,123	6,884	4,784	22,960,205	397,005	TOTAL

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API 47-017-06979 Farm Name Shawn A. Glaspell Well Number Dodrill Unit 1H

**EXHIBIT 3**

WV Department of  
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LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)
	From Surface	From Surface	From Surface	From Surface
Silty Sandstone	1,124	1,224	1,124	1,224
Sandstone, Occ Siltstone	1,224	1,274	1,224	1,274
Silty Sandstone, tr coal	1,274	1,424	1,274	1,424
Silty Sandstone	1,374	1,524	1,374	1,524
Sandstone, Siltstone	1,424	1,524	1,424	1,524
Silty Sandstone, tr coal	1,524	1,574	1,524	1,574
Silty Sandstone	1,574	1,624	1,574	1,624
Silty Sandstone, tr coal	1,624	1,674	1,624	1,674
Sandstone, Siltstone	1,674	1,774	1,674	1,774
Sandstone, Siltstone, tr coal	1,774	1,874	1,774	1,874
Silty Sandstone	1,874	1,974	1,874	1,974
Sandy Siltstone	1,974	2,024	1,974	2,024
Sandy Siltstone	2,024	2,074	2,024	2,074
Siltstone, Occ Sandstone	2,074	2,124	2,074	2,124
Sandy Siltstone, Occ Limestone	2,124	2,140	2,124	2,150
Big Lime	2,166	2,814	2,150	2,832
Fifty Foot Sandstone	2,814	2,976	2,806	2,996
Gordon	2,976	3,210	2,970	3,232
Fifth Sandstone	3,210	3,260	3,206	3,283
Bayard	3,260	4,056	3,257	4,089
Speechley	4,056	4,312	4,063	4,347
Balltown	4,312	4,839	4,321	4,875
Bradford	4,839	5,330	4,849	5,366
Benson	5,330	5,600	5,340	5,636
Alexander	5,600	6,900	5,610	6,959
Sycamore	6,730	6,874	6,773	6,933
Middlesex	6,874	7,015	6,933	7,132
Burkett	7,015	7,045	7,132	7,181
Tully	7,045	7,123	7,181	7,392
Marcellus	7,123	NA	7,392	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.

03/13/2026

**Antero Resources  
Well No. Dodrill 1H  
As-Drilled  
Antero Resources Corporation**



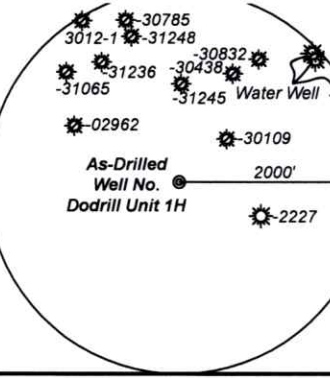
Top Hole Coordinates, As-drilled data, and information was provided by Antero Resources Corporation. Allegheeny Surveys Inc. (ASI) is not certifying the data and information provided. ASI is not responsible for any errors or inaccuracies with the data and information that has been provided.

I, the undersigned, hereby certify that this plat is correct to the best of my knowledge and belief and shows all the information required by law and the rules issued and prescribed by the Department of Environmental Protection.

Bradley D. Miller, P.S. 2167

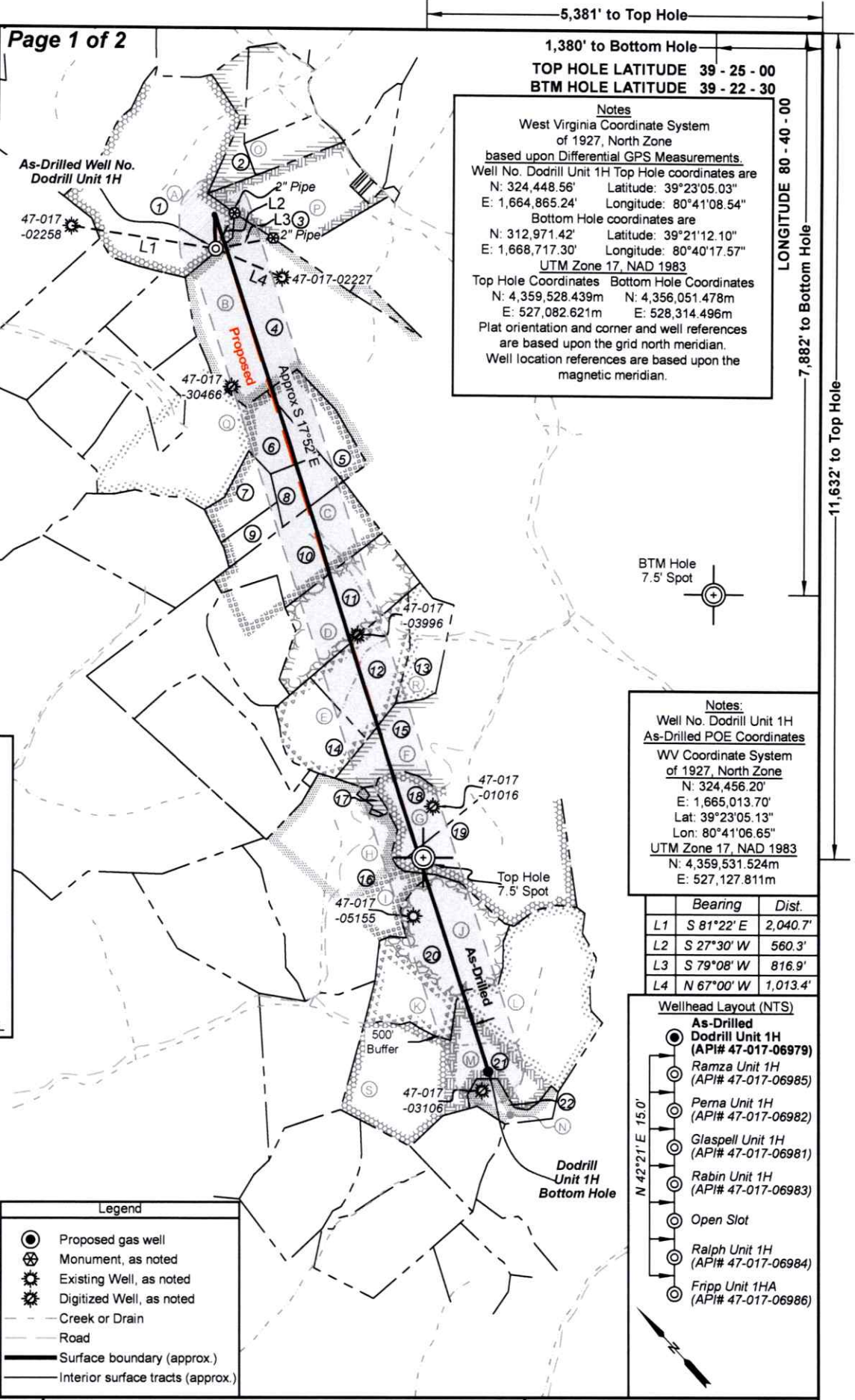


Note: 3 water wells were found within 2000' of proposed well. No occupied dwellings or buildings 2,500 square feet or larger used to house or shelter dairy cattle or poultry husbandry are located within 625' of the center of the well pad.



**Legend**

- Proposed gas well
- Monument, as noted
- Existing Well, as noted
- Digitized Well, as noted
- Creek or Drain
- Road
- Surface boundary (approx.)
- Interior surface tracts (approx.)



**TOP HOLE LATITUDE 39 - 25 - 00  
BTM HOLE LATITUDE 39 - 22 - 30**

**LONGITUDE 80 - 40 - 00**

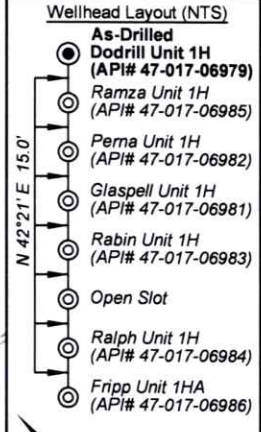
**LONGITUDE 80 - 40 - 00**

**11,632' to Top Hole**

**Notes**  
West Virginia Coordinate System of 1927, North Zone based upon Differential GPS Measurements.  
Well No. Dodrill Unit 1H Top Hole coordinates are  
N: 324,448.56' Latitude: 39°23'05.03"  
E: 1,664,865.24' Longitude: 80°41'08.54"  
Bottom Hole coordinates are  
N: 312,971.42' Latitude: 39°21'12.10"  
E: 1,668,717.30' Longitude: 80°40'17.57"  
UTM Zone 17, NAD 1983  
Top Hole Coordinates Bottom Hole Coordinates  
N: 4,359,528.439m N: 4,356,051.478m  
E: 527,082.621m E: 528,314.496m  
Plat orientation and corner and well references are based upon the grid north meridian.  
Well location references are based upon the magnetic meridian.

**Notes:**  
Well No. Dodrill Unit 1H As-Drilled POE Coordinates  
WV Coordinate System of 1927, North Zone  
N: 324,456.20'  
E: 1,665,013.70'  
Lat: 39°23'05.13"  
Lon: 80°41'06.65"  
UTM Zone 17, NAD 1983  
N: 4,359,531.524m  
E: 527,127.811m

	Bearing	Dist.
L1	S 81°22' E	2,040.7'
L2	S 27°30' W	560.3'
L3	S 79°08' W	816.9'
L4	N 67°00' W	1,013.4'



FILE NO: 259-30-M-23  
DRAWING NO: Dodrill 1H As-Drilled  
SCALE: 1" = 2000'  
MINIMUM DEGREE OF ACCURACY: Submeter  
PROVEN SOURCE OF ELEVATION: WVDOT, Harrisville, WV

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

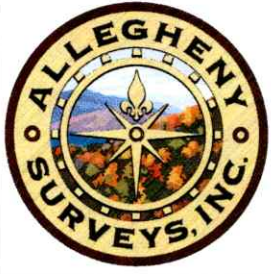
DATE: October 17 20 25  
OPERATOR'S WELL NO. Dodrill 1H  
API WELL NO  
47 - 017 - 06979  
STATE COUNTY PERMIT

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

LOCATION: ELEVATION: As-Built: 1,222' WATERSHED: McElroy Creek QUADRANGLE: Center Point  
DISTRICT: McClellan COUNTY: Doddridge  
SURFACE OWNER: Shawn A. Glaspell ACREAGE: 100  
ROYALTY OWNER: Minda Allen LEASE NO: ACREAGE: 100

PROPOSED WORK:  DRILL  CONVERT  DRILL DEEPER  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  
 PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) As-Drilled  
 PLUG AND ABANDON  CLEAN OUT AND REPLUG TARGET FORMATION: Marcellus Shale ESTIMATED DEPTH: 7,214' TVD 19,488' MD

WELL OPERATOR: Antero Resources Corporation DESIGNATED AGENT: Conrad Baston  
ADDRESS: 1615 Wynkoop Street ADDRESS: 535 White Oaks Blvd.  
Denver, CO 80202 Bridgeport, WV 26330



Leases	
A	Minda Allen
B	Morris Mountaineer Oil & Gas LLC
C	Shawn Gaspell
D	Johnnie Huy Rominger
E	CNX Gas Company, LLC
F	Acropolis, Inc.
G	AMP IV, LP
H	Cliff Wilson & Opal Willson
I	Brian A. Moreno & Diane P. Blanchette
J	Clyde Ford, III
K	Romona L. Clauson
L	Burnetta C. Hoskinson
M	Ollie M. Ford, et al
N	Roy Hoskinson & Faye Hoskinson
O	Peter Ash
P	Antero Minerals, LLC
Q	Arthur G. Doak, et ux
R	R. Clyde Roberts, et al
S	Mary A. Murphy Simons

ID	TM-Par	Owner	Bk/Pg	Acres
1	17-3.3	Shawn A. Gaspell	283/601	100.00
2	17-3.6	Shawn A. Gaspell	283/601	13.05
3	17-10	Kathryn Renee Blessing, et al	W39/506	48.50
4	17-3.2	Shawn A. Gaspell	283/601	135.00
5	17-3.4	Shawn A. Gaspell	283/601	17.50
6	17-18	Faith L. Fry	238/167	80.14
7	17-19	Shawn A. Gaspell	372/215	13.82
8	17-20	Shawn A. Gaspell	372/215	12.07
9	17-25	Shawn A. Gaspell	372/215	7.89
10	17-21	Patrick M. MacMillan	379/615	30.69
11	22-2	Timothy C. Pitts	W100/240	45.13
12	22-3	Timothy C. Pitts	W100/240	29.89
13	22-4	Debra Mellott	249/417	17.50
14	22-3.1	George D. Payton & Donald V. Sandstrom	236/354	24.11
15	23-8	Steven R. Chipps & Nathaniel Hoskinson	432/200	40.99
16	6-16	Brian A. Moreno & Diane P. Blanchette	389/382	104.80
17	22-6	Robert F. & Deborah C. Fetty	304/421	1.30
18	22-5	Jerry W. Harman	282/436	27.00
19	23-12	Jerry W. Harman	282/436	73.00
20	6-17	Clyde M. Ford III	234/474	65.6
21	7-1	Steven M. & Mary Ellen Perna	286/506	132.54
22	7-5	David A. Hoskinson	168/787	10.23

FILE NO: 259-30-M-23  
 DRAWING NO: Dodrill 1H As-Drilled  
 SCALE: 1" = 2000'  
 MINIMUM DEGREE OF ACCURACY: Submeter  
 PROVEN SOURCE OF ELEVATION: WV DOT, Harrisville, WV

**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
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## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	03/10/2025
Job End Date:	04/09/2025
State:	West Virginia
County:	Doddridge
API Number:	47-017-06979-00-00
Operator Name:	Antero Resources Corporation
Well Name and Number:	DODRILL UNIT 1H
Latitude:	39.384823
Longitude:	-80.68553
Datum:	WGS84
Federal Well:	NO
Indian Well:	NO
True Vertical Depth:	7228
Total Base Water Volume (gal)*:	18070901
Total Base Non Water Volume:	0



Water Source	Percent
Produced Water	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
Excelerate LX-21	Halliburton	Friction Reducer					
FDP-S1470-23	Halliburton	Friction Reducer					
HAI-501	Halliburton	Acid Corrosion Inhibitor					
HYDROCHLORIC ACID, 22 BAUME	Halliburton	Solvent					
LCA-1	Halliburton	Solvent					
MC B-8123	MultiChem	Biocide					
OPTIFLO-II DELAYED RELEASE BREAKER	Halliburton	Breaker					
Produced Water (Density 8.8)	Operator	Base Fluid					
Sand-Common White-100 Mesh, SSA-2	Halliburton	Proppant					

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Sand-Premium White-40/70	Halliburton	Proppant					
WG-36 GELLING AGENT	Halliburton	Gelling Agent					

Items above are Trade Names. Items below are the individual ingredients.

			Water	7732-18-5	100.00000	86.63554	None
			Crystalline silica, quartz	14808-60-7	100.00000	13.17606	None
			Water	7732-18-5	100.00000	0.16263	None
			Hydrochloric acid	7647-01-0	30.00000	0.03937	None
			Complex amine compound	Proprietary	60.00000	0.02459	None
			Hydrotreated distillate	Proprietary	100.00000	0.01230	None
			Guar gum	9000-30-0	100.00000	0.00393	None
			Glutaraldehyde	111-30-8	30.00000	0.00243	None
			Ethanaminium, N,N,N-trimethyl-2-(1-oxo-2-propen-1-yl)oxy-, chloride (1:1), polymer with 2-propenamide	69418-26-4	60.00000	0.00229	None
			Ammonium chloride	12125-02-9	5.00000	0.00224	None
			Fatty nitrogen derived amides	Proprietary	5.00000	0.00205	None
			Ethoxylated alcohol	Proprietary	5.00000	0.00205	None
			Hydrotreated light petroleum distillates	64742-47-8	30.00000	0.00114	None
			Sorbitan monooleate polyoxyethylene derivative	9005-65-6	1.00000	0.00045	None
			Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00041	None
			Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	5.00000	0.00041	None
			Methanol	67-56-1	100.00000	0.00025	None
			Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	68155-20-4	5.00000	0.00019	None
			Ethoxylated branched C13 alcohol	78330-21-9	5.00000	0.00019	None
			Ammonium persulfate	7727-54-0	100.00000	0.00012	None
			Citric acid	77-92-9	1.00000	0.00008	None
			Mixture of dimer and trimer fatty acids of indefinite composition derived from tall oil	61790-12-3	30.00000	0.00007	None

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			Modified thiourea polymer	Proprietary	30.00000	0.00007	None
			Sobitan, mono-9-octadecenoate, (Z)	1338-43-8	1.00000	0.00004	None
			Oxylated phenolic resin	Proprietary	30.00000	0.00003	None
			Propargyl alcohol	107-19-7	5.00000	0.00001	None
			Hexadecene	629-73-2	5.00000	0.00001	None
			Ethoxylated alcohols	Proprietary	5.00000	0.00001	None
			C.I. pigment Orange 5	3468-63-1	1.00000	0.00000	None

\* 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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