

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

API 47-085-10247 County Ritchie District Union  
Quad Pullman Pad Name John Campbell North Field/Pool Name ----  
Farm name Antero Resources Corporation Well Number Snodgrass 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 4336857.63m Easting 506053.04m  
Landing Point of Curve Northing m Easting m  
Bottom Hole Northing m Easting m

Elevation (ft) 1015.1' 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

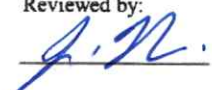
Mud - Polymer

Date permit issued 9/30/2015 Date drilling commenced 8/5/2016 Date drilling ceased N/A  
Date completion activities began N/A Date completion activities ceased N/A  
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 ~~275, 290'~~ Open mine(s) (Y/N) depths No  
Salt water depth(s) ft ~~1451', 1807'~~ Void(s) encountered (Y/N) depths No  
Coal depth(s) ft ~~343~~ Cavern(s) encountered (Y/N) depths No  
Is coal being mined in area (Y/N) No

Reviewed by:



03/28/2025

API 47- 085 - 10247 Farm name Antero Resources Corporation Well number Snodgrass 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	24"	20"	53'	New	94#, H-40	N/A	Y
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set		N/A					

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

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	102 sx	15.6	1.18	120.4	0'	8 Hrs.
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) 53' (Deepest Point Drilled) Loggers TD (ft) N/A  
 Deepest formation penetrated N/A Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft)' \_\_\_\_\_

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

03/28/2025

PERFORATION RECORD

Please insert additional pages as applicable.

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*J. R.*  
03/28/2025

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DEPTHS

Marcellus	N/A (TOP)	TVD	N/A (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 \_\_\_\_\_psi    Bottom Hole --- \_\_\_\_\_psi    DURATION OF TEST --- \_\_\_\_\_hrs

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY		
	_____ mcfpd	_____ bpd	_____ bpd	_____ bpd	<input type="checkbox"/> Estimated	<input checked="" type="checkbox"/> Orifice	<input type="checkbox"/> 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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[illegible]

Please insert additional pages as applicable.

Drilling Contractor Express Energy Services Operating, LP

Address	9800 Richmond Avenue, Suite 700	City	Houston	State	TX	Zip	77042
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Logging Company

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

**Cementing Company C & J Services**

Address 735 Genesis Blvd City Bridgeport State WV Zip 26330

Stimulating Company

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Please insert additional pages as applicable.

Completed by Carly Wren

Telephone 303-357-7373

Signature [Signature] Title Permitting Agent Date 3/5/2025

## Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

03/28/2025