

WR-35
Rev (9-11)

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

DATE: 2/3/2013
API #: 47-017-06203

Farm name: Delbert E. Leatherman, et al Operator Well No.: Holden Unit 2H

LOCATION: Elevation: 1080' Quadrangle: Smithburg 7.5'

District: Grant County: Doddridge
Latitude: 7.438' Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 12.783' Feet West of 80 Deg. 40 Min. 00 Sec.

Company: Antero Resources Corporation

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 51#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13 3/8" 48#	378'	378'	525 Cu. Ft. Class A
Inspector: Douglas Newlon	9 5/8" 36#	2,578'	2,578'	1,050 Cu. Ft. Class A
Date Permit Issued: 4/10/2013	5 1/2" 20#	14,018'	14,018'	3,424 Cu. Ft. Class H
Date Well Work Commenced: 5/30/2013				
Date Well Work Completed: 11/19/2013	2 3/8" 4.7#	7360'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7002' TVD				
Total Measured Depth (ft): 14,018' MD				
Fresh Water Depth (ft.): 120', 138', 240'				
Salt Water Depth (ft.): 1584' & 1625'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 3050'				
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 6,922' (TOP)

Gas: Initial open flow --- MCF/d Oil: Initial open flow --- Bbl/d

Final open flow 9,376 MCF/d Final open flow --- Bbl/d

Time of open flow between initial and final tests --- Hours

Static rock Pressure 3550 psig (surface pressure) after --- Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

Static rock Pressure _____ psig (surface pressure) after _____ Hours

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Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Kathleen Buck
Signature

2/7/14
Date

04/29/2022

17-06203

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes, CBL

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-well pad (Langfit Unit 2H API#47-017-06204). Please reference the wireline logs submitted with Form WR-35 for Langfit Unit 2H.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7,393'-13,962' (1920 Holes)

Frac'd w/ 19,500 gals 15% HCL Acid, 193,975 bbls Slick Water carrying 472,888# 100 mesh, 4,566,074# 40/70 sand and 2,656,584# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			
Big Lime	est. 1925'		2035'
Big Injun	est. 2036'		2464'
Gantz Sand	est. 2465'		2596'
Fifty Foot Sandstone	est. 2597'		2658'
Gordon	est. 2659'		2979'
Fifth Sandstone	est. 2980'		2996'
Bayard	est. 2997'		3731'
Speechley	est. 3732'		4049'
Balltown	est. 4050'		4519'
Bradford	est. 4520'		5019'
Benson	est. 5020'		5281'
Alexander	est. 5282'		5493'
Elk	est. 5494'		6042'
Rhinestreet	est. 6043'		6426'
Sycamore	6430'		6676'
Middlesex	6677'		6812'
Burkett	6813'		6840'
Tully	6841'		6901'
Hamilton	6902'		6921'
Marcellus	6922'		7002' TVD

04/29/2022