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:	4/22/13	
API #:	47-033-05618	

Farm name: Yeager, Charles E.	Operator Well 1	No.: Asbury Unit	2H	
LOCATION: Elevation: 1350'	Quadrangle: W	est Milford		
District: Union Latitude: 5,094' Feet South of 39 Deg. Longitude 9,691' Feet West of 80 Deg.		00Sec		
Company: Antero Resources Appalachian Corp	Casing &	Used in	Left in well	Cement fill
1625 17th Street	Tubing &	drilling		up Cu. Ft.
Address: Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
GT. Ction System	13-3/8" 48#	339'	339'	471 Cu. Ft. Class A
Agent: CT Corporation System Inspector: Tristan Jenkins	9-5/8" 36#	2,562'	2,562'	1043 Cu. Ft. Class A
Date Permit Issued: 6/6/2012	5-1/2" 20#	13,970'	13,970'	3416 Cu. Ft. Class H
Date Well Work Commenced: 10/17/2012				
Date Well Work Completed: 2/4/2013	2-3/8" 4.7#	7214'		
Verbal Plugging: N/A				
Date Permission granted on: N/A				
Rig Rig				
7178' TVD (deepest po	oint drilled)			
Total Measured Depth (ft): 13,970' MD, 7117' TV	'D' (BHL)			
Fresh Water Depth (ft.): 137'				
Salt Water Depth (ft.): None reported off this pa	d			
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 178', 257', 295'			_	
Void(s) encountered (N/Y) Depth(s) N, N/A				
OPEN FLOW DATA (If more than two producing formation Marcellus Pa Gas: Initial open flow MCF/d Oil: Initial open Final open flow 7,092 MCF/d Final open flow open flow between initial and final tests Notatic rock Pressure 3600 psig (surface pressure)	zone depth (ft)_n flow	E Bbl/d ars ours _Bbl/d Bbl/d	R M WVGEC	ECEIVED AY 7 2013 PLOGICAL SURVEY PRANTOWN, WY

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.

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes-CBL The as advanced well. Animo cry's now whether logs on the fred well co as multi-well ped (Bullete Linit 194 APPMAP-7023-05099). Please refinence the whether logs submitted with Form WR-35 for Sauker Ush 11. 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 SYSTEMATIF 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: Perforated Intervals, Fracturing, or Stimulating: Perforated Intervals, Fracturing, or Stimulating: Perforated Intervals, Practuring, or Stimulating: Perforations: 7329' - 13,905' MD (1,368 holes) Frac'd w/ 10,076 gals 15% HCL Acid, 134,411 bbls Slick Water carrying 667,538# 100 mesh, 2,563,773# 40/70 sand and 1,529,492# 20/40 sand. Plug Back Details Including Plug Type and Depth(s): N/A Formations Encountered: Top Depth Bottom Depth Surface: st. 1714' 1826' Big Lime est. 1817' 2099' st. 1827' 2099' st. 1827' 2099' st. 2223' Gantz Sand est. 2224' 2343' Fifty Foot Sandstone est. 2224' 2343' Fifty Foot Sandstone est. 2224' 2343' Speechley est. 3532' 4081' Speechley est. 3532' 4081' Speechley est. 3532' 4081' Speechley est. 4844' 5035' Speechley est. 4844' 5035' Alexander est. 4982' 4983' Benson est. 4982' Prints Fracturing on Fration Intervals. Franction Intervals. Francti		X Were cuttings caught (during drilling? YesNoX
Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list, 1955 CSL. This is a subsequent well. Arctero crity new derifier bogs on the final well on a multi-well ped (Bather Unit 11 Arctero crity new derifier bogs on the final well on a multi-well ped (Bather Unit 11 Arctero crity new derifier bogs on the final well on a multi-well ped (Bather Unit 11 Arctero crity new derifier bogs on the final well on a multi-well ped (Bather Unit 11 Arctero crity new derifier bogs on the final well on a multi-well ped (Bather Unit 11 Arctero crity new derifier bogs on the final well on a multi-well ped (Bather Unit 11 Arctero crity new derifier bogs on the final well on a multi-well ped (Bather Unit 11 Arctero crity new derifier bogs Alternative). The WELL LOG WHICH IS A SYSTEMATITE 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: Perforated Intervals, Fracturing of Stimulating: Perforated Intervals, Fracturing, or Stimulating: Perforated Intervals, Fracturing of Stimulating: Perforated Intervals, Fract	Were core samples taken? Yes		
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 PRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC PROPERTY. Perforated Intervals, Fracturing, or Stimulating: Perforated Intervals, Fracturing, or Stimulating: Perforations: 7329' - 13,905' MD (1,368 holes) Frac'd w/ 10,076 gals 15% HCL Acid, 134,411 bbls Slick Water carrying 667,538# 100 mesh, 2,563,773# 40/70 sand and 1,529,492# 20/40 sand. Plug Back Details Including Plug Type and Depth(s): N/A Formations Encountered: Top Depth Bottom Depth Surface: Big Lime est. 1714' st. 1826' Big Lime est. 2120' gantz Sand est. 2224' gantz Sand est. 2224' garty Sand est. 2224' gordon est. 2344' 2624' Gordon est. 2344' 2624' Gordon est. 2674' 3325' Bayard est. 2674' 3325' Speechley est. 3326' st. 3331' Speechley est. 3352' 4081' Balltown est. 4653' Balltown est. 4653' Benson est. 4653' Benson est. 4653' Benson est. 4844' folion est. 4844' folion folion est. 4844' folion f		110 TC mloogo list	Yes-CDL
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 SYSTEMATI 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: Perforated Intervals, Fracturing of Andreas Intervals, Inter	This is a subsequent well. Antero only runs wireline logs on the f	irst well on a multi-well pad (Stutler Unit 1H API#47-033-05586). Please reference t	he wireline logs submitted with 1 cm 1111 The color of th
### COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH. Perforated Intervals, Fracturing, or Stimulating: Perforations: 7329' - 13,905' MD (1,368 holes) Frac'd w/ 10,076 gals 15% HCL Acid, 134,411 bbls Slick Water carrying 667,538# 100 mesh, 2,563,773# 40/70 sand and 1,529,492# 20/40 sand. Plug Back Details Including Plug Type and Depth(s): N/A Formations Encountered: Surface: Big Lime est. 1714' Big Injun est. 1827' Big Injun fifty Foot Sandstone est. 2100' gantz Sand est. 2224' gordon est. 2224' fifty Foot Sandstone est. 2244' fifty Foot Sandstone est. 2344' fifty Foot Sandstone est. 2344' fifty Foot Sandstone est. 2625' Bayard est. 2674' assign Sand est. 2625' Bayard est. 3326' assign Sand est. 3326' Bayard est. 3326' Bayard est. 4082' Balltown est. 4082' Balltown est. 4082' Benson est. 4082' Benson est. 4844' est. 4082' Benson est. 4844' foots' Friefth Sander est. 4844' foots'			
Perforations: 7329' - 13,905' MD (1,368 holes) Frac'd w/ 10,076 gals 15% HCL Acid, 134,411 bbls Slick Water carrying 667,538# 100 mesh, 2,563,773# 40/70 sand and 1,529,492# 20/40 sand. Plug Back Details Including Plug Type and Depth(s): N/A Formations Encountered: Top Depth / Bottom Depth Surface: est. 1714' 1826' Big Lime est. 1827' 2099' Big Injun est. 1827' 2099' Big Injun est. 2100' 2223' Gantz Sand est. 2100' 2223' Gantz Sand est. 2224' 2343' Fifty Foot Sandstone est. 2344' 2624' Gordon est. 2625' 3325' Fifth Sandstone est. 2674' 3325' Bayard est. 2674' 3325' Bayard est. 3326' 3531' Speechley est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4082' 4652' Bradford est. 4082' 4652' Bradford est. 4653' 4843' Benson est. 4653' 4843' Benson est. 4654' 5035' Alexander est. 8444' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Tully 6948' 7057' Tully 6948' 7057' Tully 6948' 7057' Tully 7058' 7133' Hamilton 7134'	FRACTURING OR STIMULATING	ORD OF THE TOPS AND BOTTOMS OF	ALL FORMATIONS, INCLUDING
Frac'd w/ 10,076 gals 15% HCL Acid, 134,411 bbls Slick Water carrying 667,538# 100 filesh; 2,563,773# 40/70 sand and 1,529,492# 20/40 sand. Plug Back Details Including Plug Type and Depth(s): N/A Formations Encountered: Top Depth / Bottom Depth Surface: 8 est. 1714' 1826' Big Lime est. 1827' 2099' Big Injun est. 1827' 2223' Gantz Sand est. 2100' 2223' Gantz Sand est. 2224' 2343' Fifty Foot Sandstone est. 2244' 2624' Gordon est. 2344' 2624' Fifth Sandstone est. 2625' 2673' Fifth Sandstone est. 2674' 3325' Bayard est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bardford est. 4082' 4652' Bradford est. 4082' 4652' Bradford est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6919' 6947' Tully 7058' 7133' Hamilton 7134' 7178' TVD			
2,563,773# 40/70 sand and 1,529,492# 20/40 sand. Plug Back Details Including Plug Type and Depth(s): N/A Formations Encountered: Top Depth / Bottom Depth Surface: 1827' 2099' Big Lime est. 1827' 2099' Big Injun est. 2100' 2223' Gantz Sand est. 2100' 2223' Gantz Sand est. 2224' 2343' Fifty Foot Sandstone est. 2244' 2624' Gordon est. 2344' 2624' Fifth Sandstone est. 2625' 2673' Fifth Sandstone est. 2674' 3325' Bayard est. 3326' 3531' Speechley est. 3532' 4081' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4082' 4843' Benson est. 4653' 6918' Benson est. 4653' 6918' Elk est. 5036' 6918' Burket 6919' 6947' Tully 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	Perforations: 7329' - 13,905' MD	(1,368 holes)	667 538# 100 mesh.
2,563,773# 40/70 sand and 1,529,492# 20/40 sand. Plug Back Details Including Plug Type and Depth(s): N/A Formations Encountered: Top Depth / Bottom Depth Surface: 1827' 2099' Big Lime est. 1827' 2099' Big Injun est. 2100' 2223' Gantz Sand est. 2100' 2223' Gantz Sand est. 2224' 2343' Fifty Foot Sandstone est. 2244' 2624' Gordon est. 2344' 2624' Fifth Sandstone est. 2625' 2673' Fifth Sandstone est. 2625' 3325' Bayard est. 3326' 3531' Speechley est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4082' 4652' Bradford est. 4082' 4843' Benson est. 4653' 6918' Benson est. 4653' 6918' Elk 6919' 6947' Tully 6948' 7057' Tully 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	Frac'd w/ 10,076 gals 15% HCL	Acid, 134,411 bbis Slick vvaler carrying	
Formations Encountered:	2,563,773# 40/70 sand and 1,52	29,492# 20/40 sand.	
Formations Encountered:			
Formations Encountered:			
Formations Encountered:			
Formations Encountered:	Plug Back Details Including Plug Type	e and Depth(s): N/A	
Formations Encountered: Top Deptil Surface: 1826' Big Lime est. 1827' 2099' Big Injun est. 2100' 2223' Gantz Sand est. 2210' 2343' Fifty Foot Sandstone est. 2224' 2624' Gordon est. 2625' 2673' Fifth Sandstone est. 2625' 3325' Bayard est. 2674' 3325' Speechley est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4663' 4843' Benson est. 4663' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	Ting back betains distance of the		
Formations Encountered: Top Deptil Surface: 1826' Big Lime est. 1827' 2099' Big Injun est. 2100' 2223' Gantz Sand est. 2210' 2343' Fifty Foot Sandstone est. 2224' 2624' Gordon est. 2625' 2673' Fifth Sandstone est. 2625' 3325' Bayard est. 2674' 3325' Speechley est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4663' 4843' Benson est. 4663' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD			
Formations Encountered: Top Deptil Surface: 1826' Big Lime est. 1827' 2099' Big Injun est. 2100' 2223' Gantz Sand est. 2210' 2343' Fifty Foot Sandstone est. 2224' 2624' Gordon est. 2625' 2673' Fifth Sandstone est. 2625' 3325' Bayard est. 2674' 3325' Speechley est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4663' 4843' Benson est. 4663' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	•		Rottom Denth
Surface: est. 1714' 1826' Big Lime est. 1827' 2099' Big Injun est. 2100' 2223' Gantz Sand est. 2100' 2343' Fifty Foot Sandstone est. 2224' 2624' Gordon est. 2344' 2673' Fifth Sandstone est. 2625' 3325' Bayard est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4653' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	Formations Encountered:	Top Depth /	Bottom Bopti
Big Lime est. 1827' 2099' Big Injun est. 2100' 2223' Gantz Sand est. 2100' 2343' Fifty Foot Sandstone est. 2224' 2624' Gordon est. 2625' 2673' Fifth Sandstone est. 2625' 3325' Bayard est. 2674' 3325' Speechley est. 3326' 4081' Balltown est. 4082' 4652' Bradford est. 4653' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD			1826'
Big Injun est. 1827 Gantz Sand est. 2100' Fifty Foot Sandstone est. 2224' Gordon est. 2344' 2624' Fifth Sandstone est. 2625' 2673' Bayard est. 2674' 3325' Bayard est. 3326' 4081' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4653' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	Big Lime		
Gantz Sand est. 2100 2343' Fifty Foot Sandstone est. 2224' 2624' Gordon est. 2625' 2673' Fifth Sandstone est. 2674' 3325' Bayard est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4653' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	_	- -	-
Fifty Foot Sandstone Gordon est. 2344' Gordon Fifth Sandstone est. 2625' Bayard Speechley Balltown Balltown Bradford Benson Alexander Elk Burket Gordon est. 2344' est. 2625' 3325' 3531' 4081' 4081' 4081' 40652' 40652' 4082' 4082' 4083' 6919' 6918' Elk 6919' 6947' Tully Hamilton 7058' Hamilton	- -		
Gordon est. 2544 2673' Fifth Sandstone est. 2625' 3325' Bayard est. 3326' 3531' Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4653' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	Fifty Foot Sandstone		
Fifth Sandstone Bayard est. 2674' speechley set. 3326' Balltown Bradford Benson est. 4082' Alexander Elk Burket Figh 6947' Burket Tully Hamilton est. 2674' 3325' 3531' 3531' 4081' 4081' 4652' 4843' 5035' 4843' 6918' 6918' 6918' 7057' 7133' 7178' TVD			
Bayard est. 2674 Speechley est. 3326' 4081' Balltown est. 3532' 4081' Bradford est. 4082' 4843' Benson est. 4653' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD			
Speechley est. 3532' 4081' Balltown est. 4082' 4652' Bradford est. 4653' 4843' Benson est. 4844' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD			
Balltown est. 3532 Bradford est. 4082' Benson est. 4653' Alexander est. 4844' Elk 6919' Burket 6947' Tully 7057' Hamilton 7134'			
Bradford est. 4082' 4843' Benson est. 4653' 5035' Alexander est. 5036' 6918' Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD	· ·		
Benson est. 4653' Alexander est. 4844' Elk est. 5036' Burket 6919' Tully 7057' Hamilton 7134' 7135' 7178' TVD			
Alexander est. 4844' est. 5036' Elk Burket 6919' 6947' Tully 7057' Tully 7058' Hamilton 7134' 7178' TVD			
Elk 6919' 6947' Burket 6948' 7057' Tully 7058' 7133' Hamilton 7134' 7178' TVD		*	
Burket 6919 7057' Tully 6948' 7133' Hamilton 7134' 7178' TVD			
Tully 7058' 7133' Hamilton 7134' 7178' TVD		6919'	
Hamilton 7038 7178' TVD		6948'	
	•	7058'	
	Marcellus	7134'	/1/8 1/0

RECEIVED

MAY 7 2013

WV GEOLOGICAL SURVEY MORGANTOWN, WV