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:	06/22/2012	
API #:	47-033-05561	

OCATION: Elevation: 1142'	Operator Well No.: Snider Unit 1H Quadrangle: Wolf Summit				
	Quadrangie: _•	VOII CUITIIII			
District: Coal & Sardis	County: Harrison				
Latitude: 4806' Feet South of 39 Deg.					
Longitude 11,266' Feet West of 80 Deg.	VIII.	Se	J.		
Company: Antero Resources Appalachian Corp					
Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
Denver, CO 80202	20" 94#	40'	40'	CTS -38 Cu. Ft. Class A	
Agent: CT Corporation System	13-3/8" 54.5#	523'	523'	CTS - 779 Cu. Ft. Class A	
Inspector: Tristan Jenkins	9-5/8" 36#	2418'	2418'	CTS _ 1002 Cu. Ft. Class A	
Date Permit Issued: 07/26/2011	5-1/2" 20#	15,007'	15,007'	3747 Cu. Ft. Class H	
Date Well Work Commenced: 8/8/2011					
Date Well Work Completed: 1/5/2012	2-3/8" 4.7#	7266'			
Verbal Plugging: N/A					
Date Permission granted on: N/A					
Rotary ✓ Cable Rig					
Total Vertical Depth (ft): 7,084' TVD (Deepest po	oint drilled)				
Total Measured Depth (ft): 15,007' MD, 7,084' TV					
Tour Mousured Deput (11).	 	drilling Ant	+	+	
Tiesh water Departite).	*Due to air drilling, Antero was unable to identify accurate fresh water, salt water and/or				
5410 11 4101 2 Opini (10).	1	for reportin			
Is coal being mined in area (N/Y)? N		,	+	 	
Coal Depths (ft.): *None available	<u> </u>		<u> </u>		
Void(s) encountered (N/Y) Depth(s) N, N/A					
ODENIEL ONLD ATTA (IC. 41 4 1 1 C. 41	ons please includ			sheet)	
OPEN FLOW DATA (If more than two producing formation		7,043' TVD (T	op)		
Producing formation Marcellus Pay	zone depth (ft) 7				
Producing formation Marcellus Pay 2 Gas: Initial open flow MCF/d Oil: Initial open flow	low_N/ABb	ol/d			
Producing formation Marcellus Pay : Gas: Initial open flow MCF/d Oil: Initial open flow MCF/d Final open flow MCF/d Final open flow	low N/A Bb	ol/d	•		
Producing formation Marcellus Pay : Gas: Initial open flow MCF/d Oil: Initial open flow MCF/d Final open flow Time of open flow between initial and final tests N/A	low N/A Bb W N/A Bb Hours	bl/d l/d ,	. E		
Producing formation Marcellus Pay : Gas: Initial open flow MCF/d Oil: Initial open flow MCF/d Final open flow MCF/d Final open flow	low N/A Bb W N/A Bb Hours	bl/d l/d ,			
Producing formation Marcellus Pay 2 Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests N/A Static rock Pressure 3300 psig (surface pressure) af	low N/A Bb W N/A Bb Hours	bl/d l/d ,			
Producing formation Marcellus Pay 2 Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests N/A Static rock Pressure 3300 psig (surface pressure) af	N/A Bb Hours H	ol/d l/d ,			
Producing formation Marcellus Pay 2 Gas: Initial open flow MCF/d Oil: Initial open flow 7,455 MCF/d Final open flow Time of open flow between initial and final tests N/A Static rock Pressure 3300 psig (surface pressure) at Second producing formation Pay zo	N/A Bb Hours H	ol/d //d ,			
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08/24/2012

Were core samples taken?	Yes	No X	Were cuttings caught	during drilling?	Yes	_No_X
Were Electrical, Mechanica This is a subsequent well. Antero only run	l or Geophys s wireline logs on th	sical logs recorded on this ne first well on a multi-pad (Alfred Unit 1F	s well? If yes, please list HAPI# 47-033-05472). Please reference	Yes- Cement Bond	d Log/Gamma	Ray/CCL Log
NOTE: IN THE AREA FRACTURING OR STIN DETAILED GEOLOGIC COAL ENCOUNTERED	MULATING CAL RECO	G, PHYSICAL CHANG ORD OF THE TOPS A	E, ETC. 2). THE WEL AND BOTTOMS OF	L LOG WHIC ALL FORMA	H IS A SYS	STEMATIC
Perforated Intervals, Fractus	ring, or Stim	ulating:				
Perforations: 7486' - 14	4,940' MD					
Frac'd w/ 11,000 gals 1	15% HCL	Acid, 153,783 bbls S	lick Water carrying	718,200# 10	0 mesh,	
3,393,600# 40/70 and	2,032,000	# 20/40 sand.				
Plug Back Details Including	g Plug Type	and Depth(s): N/A				
Formations Encountered: Surface:		Тор Дер	th /		Bottom De	epth
**Sycamore		6,362'		6,830'		
Tully		6,831'		6,964'		
Hamilton		6,965'		7,042'		
Marcellus		7,043'		7,084' TV	D	
**Antero only runs wireline logs on the		· · · · · · · · · · · · · · · · · · ·	•			
we are unable to accurately identify form	nation tops from s	surface. Please reference the addit	ional formation tops submitted on		Trea Unit 114 (AP	## 47-033-05472). ————————————————————————————————————
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