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

NOV 2 5 2014

API	<u>47</u> - 033 _ 05709	County Harrison		District	UnionWV	Departr	nent of
Quad	Big Isaac	Pad Name Corde		Field/P	ool Name	mental	Protection
Farm	name Corder, Gerald & Loue	lla		Well N	lumber Hildr	ed Unit 2	H
Oper	ator (as registered with the OOG)	Antero Resources	Corporation				
Addr	ess 1615 Wynkoop Street	City Den	ver	Sta	te CO	Zip _	30202
As D	Landing Point of Curve	Attach an as-drilled Northing 4341558.88 Northing 4341897.26 Northing 4343400.06	d plat, profile	view, and deviat Easting 538 Easting 538 Easting 536	3537.19 271.15		
Eleva	ation (ft) 1405' GL	Type of Well	New □ Exi		pe of Report	■Interim	□Final
Perm	nit Type Deviated H	orizontal 🗂 Horizont	tal 6A □ V	ertical D	epth Type	Deep	■ Shallow
Type	of Operation Convert I	Deepen Drill	Plug Back	□ Redrilling	□ Rework	□ Stimula	te
• •	Type □ Brine Disposal □ CBN	•	•	_	Mining - Sto		thar
Well	Type Billie Disposal CDN	1 BOas DOII DOCC	ondary Recov				
Туре	of Completion Single Mu	ltiple Fluids Produc	ced 🗆 Brine	□Gas □ NO	GL 🛮 Oil	■ Other	t yet completed
Drill	ed with □ Cable ■ Rotary						
Drill	ing Media Surface hole 📕 Ai	r □ Mud □Fresh Wat	ter Inter	mediate hole	l Air □ Mud	□ Fresh \	Water □ Brine
		☐ Fresh Water ■ Brine					
	Type(s) and Additive(s) Foam & 4% KCL						
Muc	i- Polymer						
Date	permit issued1/29/2013	Date drilling comm	nenced 2/2	21/2014	Date drilling o		6/18/2014
Date	completion activities began	WOC		etion activities c	eased	N/A	<u> </u>
Verb	al plugging (Y/N) N	Date permission granted	IN//	A Gra	nted by	N/A	<u> </u>
Pleas	se note: Operator is required to so	ubmit a plugging applica	ation within 5	days of verbal p	ermission to p	lug	
Fresł	water depth(s) ft	100'	Open mine(s) (Y/N) depths		N	
Salt	water depth(s) ft None	Identified	•	untered (Y/N)		N	
	depth(s) ft 340', 420', 900', 124			countered (Y/N)	•	N	
ls co	al being mined in area (Y/N)	N		, ,	•		
	- · · /					Revie	wed by:

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Rev. 8/23/13							الناطعم	4 LINE OLI	
API 47- 033	05709	Farm na	me_Cord	ler, Geral	d & Louella	Well n	umber	d Unit 2H	
CASING	Hole	Casing		Nev	w or Grade	Ва	asket D	rid cement circulate (Y/N)	
STRINGS	Size	Size	Depth		sed wt/ft			* Provide details below*	
Conductor	24"	20"	40'	N.	lew 10	6.5#	N/A	Υ	
Surface	17- 1/2"	13- 3/8"	361'	1	lew 54	1.5#	N/A	Y	
Coal									
ntermediate 1	12-1/4"	9-5/8"	2537'	l l	lew 3	36#	N/A	Υ	
ntermediate 2									
ntermediate 3									
Production	8-3/4" & 8-1/2"	5-1/2"	16,460	' N	lew 2	23#	N/A	Υ	
Tubing	0 0 1 0 0 0 0 0								
acker type and d	epth set	N/A							
		INA							
Comment Details									
Johnnent Details									
CEMENT	Class/Tr	Number		Shure:	Yield	Volume	Cement	woc	
CEMENT DATA	Class/Type of Cement			Slurry wt (ppg)	(ft ³ /sks)	(ft ³)	Top (MD)	(hrs)	
Conductor	Class A	196 sx		15.6	1.18	38	0	8 Hrs.	
Surface	Class A 439 sx			15.6	1.18	251	0	8 Hrs.	
Coal		J1033 7. 403 8A							
ntermediate 1	Class A	Δ 024 αν		15.6	1.18	795	0	8 Hrs.	
ntermediate 2	Olass A	304 34	934 sx 15.6 1.18 795		+	 01.113.			
ntermediate 3							 		
Production	0100011	2496 s	. 445	1 and 45 0 Tail	4 0 Lood 4 07 Toil	2204	~500' into Intermediate	Casing 8 Hrs.	
Tubing	Olassii		90 SX 14.5 Lead 15		1.3 Lead 1.87 Tail	3304	- Soo into intermodelle	01115.	
	l				<u> </u>		<u> </u>		
Drillers TD (f) 16,460° MD, 7469	'TVD; 7533' TVD (Deepe	est point drille	d) Los	ggers TD (ft) 16,4	460'			
· · · · · · · · · · · · · · · · · · ·	ation penetrated				g back to (ft) N/A				
Plug back pro	•								
									
Kick off depth	1 (ft) 6852"				•			is is a subsequent well. Antero only ne logs on one well on a multi-well	
~ ·				٠.			(Cleta	Unit 1H API# 47-033-05659). Plea	
Check all wire	line logs run	□ caliper	□ densi	· .	deviated/directi		WR-3	nce the wireline logs submitted witl 5 for the Cleta Unit 2H. A Cement	
		□ neutron	□ resis	tivity \Box	gamma ray	o ten		as been included with this submitta	
Wall asset .	- V N-	- C	1	C: da	337		-1141 - V	31.	
well cored [Yes A No	□ Convention	onai 🗆	Sidewall	w	ere cuttings c	ollected \square Y	es 📔 No	
SESCRIRE T	HE CENTRAI	LIZER PLACEME	NT LISE	D FOR FA	CH CASING S	TRING			
Conductor- 0	TIE CENTIONI	AZEK I EACEMI	ZIVI OSE.	DIONEA	eri easing s				
		float, 1 every 4th joint to st							
		pat collar, 1 every 4th joint t				***************************************		<u> </u>	
Production- 1 above 1	noat joint, 1 delow noat	collar, 1 every 3rd joint to to	op or cement			-	********		
	COMPLETED	A C CHOT HOLD	- 1/		DETAIL	Maltine on Commi	la4:		
VAC WELL		AS SHOT HOLE	. □ Yes	i ■ No	DETAILS	Waiting on Comp!	euon	<u> </u>	
WAS WELL	COMPLETED				DETAILS			· · · · · · · · · · · · · · · · · · ·	
WAS WELL (COMPLETED								
		OPEN HOLE?	□ Yes	∄ No		aiting on Completio	n_		
		OPEN HOLE?	□ Yes	■ No		aiting on Completio	n		

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API 4	7- 033	05709	Farm na	meCo	order, Gera	ld & l	ouella	Well numbe	Hildred Un	it 2H	
				P	ERFORATIO	ON RI	ECORD				
Stage	Donformation	data	Perforated from		rforated to MD ft.		imber of forations		Formation(s)		
No.	Perforation	date	MD ft.		MD II.	rei	iorations		Politiation(s)		
			<u>* WA</u>	ITI	NG ON	CO	MPLE	TION			
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<u> </u>		_		<u> </u>							
										 	
Please	insert addition	onal pages a	as applicable.								
		, F									
			STIN	/ULA	TION INFOR	MAT	ION PER S	TAGE			
Compl	ete a separate	e record for	each stimulation	stage.							
Stage	Stimulations	Ave Pump		_	Max Breakdo	· · · ///		Amount of	Amount of	Amount o	.f
No.	Date	Rate (BPM			Pressure (PS		ISIP (PSI)	Proppant (lbs)	Water (bbls)	Nitrogen/other	
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						-	· · · · · · · · · · · · · · · · · · ·				
			* WA	ITI	IG ON	\overline{co}	MPLE'	TION			
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Please insert additional pages as applicable.

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

API <u>47-033-05709</u> Farm Name <u>Corder, Gerald & Louella</u> Well Number <u>Hildred Unit 2H</u> EXHIBIT 1										
LITHOLOGY/ FORMATION	TOP DEPTH (TVD)	BOTTOM DEPTH (TVD)	TOP DEPTH (MD)	BOTTOM DEPTH (MD)	ROCK TYPE	FLUID PRODUCED				
Undifferentiated Pennsylvanian										
Sedimentary Sequence	0'	2279'	0,	2279'	Sandstone/Shale/Siltstone					
Big Lime	est. 2280'	2379'	est. 2280'	2379'	Limestone					
Big Injun	est. 2380'	2682'	est. 2380'	2682'	Sandstone/Shale/Siltstone					
Gantz Sand	est. 2683'	2824'	est. 2683'	2824'	Sandstone/Shale/Siltstone					
Fifty Foot Sandstone	est. 2825'	2895'	est. 2825'	2895'	Sandstone/Shale/Siltstone					
Gordon	est. 2896'	3069'	est. 2896'	3069'	Sandstone/Shale/Siltstone					
Fifth Sandstone	est. 3070'	3111'	est. 3070'	3111'	Sandstone/Shale/Siltstone					
Bayard	est. 3112'	3887'	est. 3112'	3887'	Sandstone/Shale/Siltstone					
Speechley	est. 3888'	4142'	est. 3888'	4142'	Sandstone/Shale/Siltstone					
Baltown	est. 4143'	4677'	est. 4143'	4677'	Sandstone/Shale/Siltstone					
Bradford	est. 4678'	5193'	est. 4678'	5193'	Sandstone/Shale/Siltstone					
Benson	est. 5194'	5370'	est. 5194'	5370'	Sandstone/Shale/Siltstone					
Alexander	est. 5371'	5521'	est. 5371'	5521'	Sandstone/Shale/Siltstone					
Elk	est. 5522'	7035'	est. 5522'	7052'	Sandstone/Shale/Siltstone					
Middlesex	7036'	7185'	7053'	7229'	Shale					
Burkett	7186'	7212'	7230'	7265'	Shale	Gas				
Tully	7213'	7375'	7266'	7558'	Limestone	N/A				
Marcellus	7376'	7533'	7559'	18 1 C V	Shale	Gas				

^{*}Please note Antero determines formation tops based on wireline logs that are only run on one well on a multi-well pad (Please reference Cleta Unit 1H #47-033-05659). The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.