4701706154P

WR-35 Rev. 8/23/13 Page <u>1</u> of <u>4</u>

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

API	_{47 -} 017	_ 06154	County Doddrid	ge	District New M	viiton	
	New Milton 7.	5'	Pad Name Erwin	Hilltop Pad	Field/Pool Nan		
	_{name} Sandra E				Well Number	Webley Fork	Unit 2H
Opera	ator (as registered	with the OOG	Antero Resources	Corporation			
Addre	ess 1615 Wynk	cop Street	City Der	nver	State CO	Zip	80202
As Dr		Top hole	Northing 4336606.19m		v, and deviation surv Easting <u>525130.95m</u>		
	Landing Poin	t of Curve tom Hole	Northing Northing		Easting		
	Bo	tom Hole	Norming		Easting	<u> </u>	
Eleva	tion (ft) 1226'	GL	Type of Well	ANew	g Type of R	eport 🗆 Interim	BFinal
Permi	it Type 🗆 De	viated 🗆 H	Iorizontal 📱 Horizor	ntal 6A 🛛 Vertio	cal Depth Ty	pe 🗆 Deep	b 🛢 Shallow
Туре	of Operation	Convert 🛛	Deepen 🖬 Drill 🛛	Plug Back 🛛 🗆 I	Redrilling 🛛 Rew	ork 🛢 Stimu	late
Well '	Type 🗆 Brine D	isposal 🗆 CB1	M El Gas El Oil 🗆 Sec	condary Recovery	Solution Mining	□ Storage □	Other
Туре	of Completion	Single 🗆 Mu	ultiple Fluids Produ	iced 🗆 Brine 🖪	Gas 🗆 NGL 🛢	Oil 🗆 Other	
• •	d with \Box Cable	-	-				
Produ Mud	ng Media Surfa action hole Type(s) and Add Foam & 4% K	ir EMud litive(s)	r o Mud oFresh Wa o Fresh Water o Brin		iate hole 🛢 Air 🗆) Mud 🗆 Fresh	a Water □ Brine
Mud	- Polymer						
Date j	permit issued	12/19/2012		menced3/25/2	2013 Date dri	lling ceased	3/25/2013
Date of	completion activi		N/A		n activities ceased		
Verba	al plugging (Y/N)	N/A	Date permission grante	dN/A	Granted by	N//	A
Please	e note: Operator	is required to s	ubmit a plugging applic	ation within 5 days	s of verbal permissio	n to plug	
Fresh	water depth(s) ft	Nor	e Identified	Open mine(s) (Y	/N) depths	No	
Salt w	vater depth(s) ft _	None	Identified		red (Y/N) depths	N	lo
Coal o	depth(s) ft	None	dentified	Cavern(s) encour	ntered (Y/N) depths	1	No
Is coa	l being mined in	area (Y/N)	No	<u>_</u>		RECEIVED	cwcd by:

JUN 1 3 2022 WV Department of 06/24/2022 Environmental Protection

4701706154P

WR-35 Rev. 8/23/13

Page <u>2</u> of <u>4</u>

CASING	Hole	Casing		New	or Grade		Baskct	Did cement circulate (Y/N
STRINGS	Size	Size	Dep	pth Us			Depth(s)	* Provide details below*
Conductor	24°	20"	40)' N	ew 94#	, H-40	N/A	Y
Surface	17-1/2"	13-3/8"		<u>N</u>	ew 54.5	#, J-55	N/A	Υ
Coal								
ntermediate 1	12-1/4"	9-5/8"		N	ew 36#	, J-55	N/A	Y
ntermediate 2								
ntermediate 3								
Production	8-3/4"/8-1/2"	5-1/2"		N	lew 23#, H	ICP-110	N/A	Y
lubing		2-3/8"			4.7#	, P-110		
acker type and d	lepth set	N/A			<u></u>			
Comment Details	·				- <u>-</u>			
CEMENT	Class/Type			Sturry	Yield	Volum (ft ³)		-
DATA	of Cement Class A	of Sack	8	wt (ppg) 15.6	(ft ³ /sks) 1.18	<u> </u>	10p (M.	8 Hrs.
Surface	Class A Class A	SX		15.6	1.10			8 Hrs.
Coal								
Intermediate 1	Class A	SX		15.6	1.19			
intermediate 2								
Intermediate 3	+							
Production	Class H	sx (Lead) s	(Tail)	4.1 (Load), 15.17 (Tell)	1.4 (Lead), 1.6 (Tail)		~500° into Intermed	data Casing 8 Hrs.
Tubing			<u> </u>					
Drillers TD (f	ft) 40° ation penetrated	d_N/A			gers TD (ft) g back to (ft)			
Plug back pro								a subsequent Well. Antero only run
Plug back pro		caliper neutron	□ de	nsity 🗆	deviated/directi gamma ray		logs en o API#47-0	a a subsequent Well. Antero only run new well on a multi-well pad (Bill Unit 185-10257). A Cement Bond Log has with this submittal.
Plug back pro	h (ft)	caliper neutron	□ de □ re:	nsity 🗆	gamma ray	C	logs on or AP1#47-C included induction	ne well on a multi-well pad (Bill Unit 185-10257). A Cenest Bond Log bas with this cobmittal.
Plug back pro Kick off depti Check all win Well cored	h (ft) eline logs run □ Yes 📱 No	caliper neutron Convention	□ de □ re: onal	nsity D sistivity D Sidewall	gamma ray W	c Vere cuttin	logs on of APIE47-C included induction temperature gs collected	ne well on a multi-well ped (Bill Unit D85-10257). A Cernest Bond Log has with this submittal.
Plug back pro Kick off depti Check all win Well cored DESCRIBE 1	h (ft) eline logs run □ Yes 📱 No	caliper neutron Convention	□ de □ re: onal	nsity D sistivity D Sidewall	gamma ray W	c Vere cuttin	logs on of APIE47-C included induction temperature gs collected	ne well on a multi-well pad (Bill Unit 185-10257). A Cenest Bond Log bas with this cobmittal.
Plug back pro Kick off depti Check all win Well cored	h (ft) eline logs run □ Yes 📱 No	caliper neutron Convention	□ de □ re: onal	nsity D sistivity D Sidewall	gamma ray W	c Vere cuttin	logs on of APIE47-C included induction temperature gs collected	ne well on a multi-well ped (Bill Unit D85-10257). A Cernest Bond Log has with this submittal.
Plug back pro Kick off depti Check all win Well cored DESCRIBE 1	h (ft) eline logs run □ Yes 📱 No	caliper neutron Convention	□ de □ re: onal	nsity D sistivity D Sidewall	gamma ray W	c Vere cuttin	logs on of APIE47-C included induction temperature gs collected	ne well on a multi-well ped (Bill Unit D85-10257). A Cernest Bond Log has with this submittal.
Plug back pro Kick off depti Check all win Well cored DESCRIBE 1	h (ft) eline logs run □ Yes 📱 No	caliper neutron Convention	□ de □ re: onal	nsity D sistivity D Sidewall	gamma ray W	c Vere cuttin	logs on of APIE47-C included induction temperature gs collected	ne well on a multi-well ped (Bill Unit D85-10257). A Cernest Bond Log has with this submittal.
Plug back pro Kick off depti Check all win Well cored DESCRIBE T Conductor - 0	h (ft) eline logs run □ Yes	caliper neutron Convention	de res onal ENT US	nsity sistivity Sidewall SED FOR EA	gamma ray W .CH CASING S	rere cuttin	logs co c APU847-4 included induction temperature gs collected □	ne well on a multi-well pad (Bill Unit 085-10257). A Cernent Bond Log has with this submittal. □SONIC Yes ■ No
Plug back pro Kick off depti Check all win Well cored DESCRIBE T Conductor - 0	h (ft) eline logs run □ Yes	caliper neutron Conventio	de res onal ENT US	nsity sistivity Sidewall SED FOR EA	gamma ray W .CH CASING S	rere cuttin	logs on of APIE47-C included induction temperature gs collected	ne well on a multi-well ped (Bill Unit D85-10257). A Cernent Bond Log bas with this submittal. □Sonic Yes ■ No
Plug back pro Kick off depti Check all wire Well cored DESCRIBE 1 Conductor 0	h (ft) eline logs run □ Yes	caliper neutron Conventio	c de re: onal ENT U:	rnsity sistivity Sidewall SED FOR EA Yes A No	gamma ray W CH CASING S DETAILS	rere cuttin	logs co c APU847-4 included induction temperature gs collected □	ne well on a multi-well pad (Bill Unit D85-10257). A Cernent Bond Log bas with this submittal. □SONIC Yes ■ No RECEIVED Office of Oil and C

47017061548

Page <u>3</u> of <u>4</u>

WR-35 Rev. 8/23/13

		RECORD	ERFORATION	I			
Formation(s)		Number of erforations		mated from Po MD ft.		Perforation of	tage No.
BIT 1	EXHI	CHED			*PLEA	*	
Amount of Amount of	Amount of	TION PER ST	DION INFORMA Max Breakdown		onal pages as ap e record for eac Ave Pump		ompl
Water (bbls) Nitrogen/other ()	Amount of Proppant (lbs)	TION PER ST	TION INFORMA Max Breakdown Pressure (PSI)	STIMULA th stimulation stage. Ave Treatment Pressure (PSI)	e record for eac Ave Pump Rate (BPM)	ete a separate Stimulations Date	
Water (bbls) Nitrogen/other ()	Amount of Proppant (lbs)	TION PER ST	TION INFORMA Max Breakdown Pressure (PSI)	STIMULA th stimulation stage Ave Treatment	e record for eac Ave Pump Rate (BPM)	ete a separate Stimulations Date	ompl

06/24/2022

47017061549

WR-35

Page 4 of 4

Rev. 8/23/13	06154		name Sandra	EEnvin	77.1	number Web	lev Fork	Unit 2H
API 47- 017	00104	Farm	name		wei	number		1
RODUCING	ORMATION(S	5)	DEPTHS					
KODOCINGI	Oldinition	21		(1) (1)	10			
				_TVD	MI)		
				_				
Please insert add	ditional pages a	s applicable.						
GAS TEST	🗆 Build up 🛛	Drawdown	Open Flow	OI	L TEST A Flow	D Pump		
SHUT-IN PRES	SSURE Surfa	ace	psi Bott	om Hole —	psi DURA	ATION OF TE	ST	hrs
OPEN FLOW	Gas mcf	Oil jpd	bpd	_ bpd	ater GAS bpd □ Est	timated = 0	rifice D	Pilot
LITHOLOGY/	TOP	BOTTOM	тор	BOTTOM				
FORMATION	DEPTH IN FT				DESCRIBE ROCK T	YPE AND RECO	RD QUANTI	TYAND
	NAME TVD	TVD	MD	MD	TYPE OF FLUID (FI	RESHWATER, BI	RINE, OIL, G	AS, H ₂ S, ETC)
	*PLE		SEE A		HED EX			
	*PLE							
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