47085102**34** P

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

API <u>47</u> 085 10234 County Ritchie	:	District Clay	
	n Pad	Field/Pool Name	
Farm name Donald L. Costilow		Well Number Mog	
Operator (as registered with the OOG) Antero Resource	s Corporation		
		State CO	Zip_80202
Top holeNorthing 4349550mLanding Point of CurveNorthingBottom HoleNorthing	E	Easting 508520m Easting Easting	
Elevation (ft) <u>1220'</u> GL Type of Well	■New □ Existing	Type of Report	□Interim ■Final
Permit Type 🗆 Deviated 🗆 Horizontal 🛢 Horizo	ontal 6A 🛛 🗆 Vertica	l Depth Type	🗆 Deep 📕 Shallow
Type of Operation □ Convert □ Deepen ■ Drill	□ Plug Back □ Re	drilling 🗆 Rework	E Stimulate
Well Type Brine Disposal CBM Gas	t of RECEM	as □NGL ■Oil ED tê hêne ■Air □Mud 2022	
Mud - Polymer			
Date permit issued9/14/2015 Date drilling com Date completion activities began N/A Verbal plugging (Y/N) N/A Date permission grant	Date completion		N/A
Please note: Operator is required to submit a plugging apple	ication within 5 days of	of verbal permission to p	olug
Freshwater depth(s) ft None Identified	Open mine(s) (Y/N	I) depths	No
Salt water depth(s) ft None Identified	Void(s) encountered	ed (Y/N) depths	
Coal depth(s) ft None Identified	Cavern(s) encount	ered (Y/N) depths	No
Is coal being mined in area (Y/N) No			

Reviewed by:

<u>07/01/20</u>22

Page 2 of 4**WR-35** 47085102**34**P Rev. 8/23/13 _Well number_Mogar Unit 2H Farm name Donald L. Costilow API 47-085 _ 10234 CASING Hole Casing New or Grade Basket Did cement circulate (Y/N) STRINGS Size Size Depth Used wt/ft Depth(s) * Provide details below* Conductor 24" 20" 40' New Y 94#, H-40 N/A Surface 17-1/2" 13-3/8" New 54.5#, J-55 N/A Y Coal Intermediate 1 Y 12-1/4" 9-5/8" New 36#, J-55 N/A Intermediate 2 Intermediate 3 Production 8-3/4"/8-1/2" 5-1/2" New 23#. HCP-110 N/A Υ Tubing 4.7#, P-110 2-3/8" Packer type and depth set N/A **Comment Details** Class/Type WOC Yield Volume Cement CEMENT Number Slurry (hrs) DATA of Cement of Sacks wt (ppg) (ft 3/sks) $(ft^{\frac{3}{2}})$ Top (MD) Conductor 15.6 1.18 0' 8 Hrs. Class A SX Surface 0' 8 Hrs. 1.20 Class A SX 15.6 Coal Intermediate 1 0' 8 Hrs. Class A SX 15.6 1.19 Intermediate 2 Intermediate 3 Production ~500' into Intermediate Casing 8 Hrs. sx (Lead) sx (Tail) 14.1 (Lead), 15.17 (Tail) 1.4 (Lead), 1.6 (Tail) Class H Tubing Loggers TD (ft) Drillers TD (ft) 40' Plug backticeft)f 101 & Gas Deepest formation penetrated N/A Plug back procedure N/A JUN 2 9 2022 WV Department of ** This is a subsequent Well. Antero only runs wireline Kick off depth (ft) Environmental Protection logs on one well on a multi-well pad (Bill Unit 3H API#47-085-10257). A Cement Bond Log has been included with this submittal. □ induction □ deviated/directional Check all wireline logs run \Box caliper \Box density □ temperature □ neutron □ resistivity □ gamma ray □sonic Were cuttings collected \Box Yes No Well cored 🗆 Yes 📕 No Conventional Sidewall DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING Conductor - 0

🗆 Yes 📱 No WAS WELL COMPLETED AS SHOT HOLE DETAILS WAS WELL COMPLETED OPEN HOLE? 🗆 Yes 🛔 No DETAILS WERE TRACERS USED 🗆 Yes 🛔 No TYPE OF TRACER(S) USED N/A

07/01/2022

WR-	35
Rev.	8/23/13

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

47085102**34**P

API 47-085 _ 10234

Farm name_Donald L. Costilow

_____Well number_Mogar Unit 2H

PERFORATION RECORD

	Perforated from	Perforated to	Number of	
Perforation date	MD ft.	MD ft.	Perforations	Formation(s)
*PI	FASE S	FF ATT	ACHE	D FXHIBIT 1
	u Baan // X 🥪 Haau 🥪	Hanna Hanna II V. H. H.		
L Contraction of the second	г			
		-		
		RECEIVE	2	
		JUN 292	022	
		WV Departme Environmental F	rotection	
	Perforation date	Perforation date MD ft.	Perforation date MD ft. MD ft. *PLEASE SEE ATT PLEASE SEE ATT RECEIVED Office of Oil of JUN 2 9 2	

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)
		*PLE	ASE SEE		CHED	EXH	BIT 2	2

Please insert additional pages as applicable.

WR-35 Rev. 8/23/13

4708510234 P

	_ 10234							
RODUCING	FORMATION(<u>S) 1</u>	<u>DEPTHS</u>					
				_TVD		MD		
Please insert ad	ditional pages a	s applicable.						
GAS TEST	🗆 Build up 🛛	Drawdown	Open Flow	OI	L TEST 🛢 F	low 🗆 Pum	р	
SHUT-IN PRE	SSURE Surf	àce	_psi Botto	om Hole <u></u>	psi	DURATION	of test <u></u>	hrs
OPEN FLOW	Gas mcf	Oil pod b	NGL	Wbpd	ater bpd	GAS MEAS	URED BY	🗆 Pilot
.ITHOLOGY/	ТОР	BOTTOM	TOP	BOTTOM				
FORMATION	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT				
	NAME TVD		MD	MD	TYPE OF FLU	JID (FRESHWA	TER, BRINE, OI	L, GAS, H₂S, EI
	L	4		.				
			RECEIVED					
			RECEIVED ce of Oil & Ga					
			RECEIVED ce of Oil & Ga N 2 9 2022					
		JL	N 292022					
		JL						
		JL	N 292022					
		U W Enviro	N 292022					
	ditional pages a	U W Enviro	N 292022					
Drilling Contra	ctor Frontier Dri	yn Senviro Se	N 2 9 2022 Department o primental Protec				7:- 2641	5
Drilling Contra		yn Senviro Se	N 2 9 2022 Department o primental Protec			State	Zip _2641	5
Drilling Contra Address <u>562 Sp</u> Logging Comp	ctor Frontier Dri ring Run Road	under State	N 2 9 2022 Department o mmental Protect	Pennsboro				
Drilling Contra Address <u>562 Sp</u> Logging Comp Address	ctor Frontier Dri ring Run Road any	yn Senviro sa applicable. illing LLC	N 2 9 2022 Department o mmental Protect					5
Drilling Contra Address <u>562 Sp</u> Logging Comp Address Cementing Cor	ctor Frontier Dri ring Run Road any npany Schlumb	wv ⊊nvird as applicable. illing LLC erger Oilfield Se	N 2 9 2022 Department o primental Protect City City ervices	Pennsboro		State	Zip	
Drilling Contra Address <u>562 Sp</u> Logging Comp Address Cementing Cor	ctor Frontier Dri ring Run Road any	wv ⊊nvird as applicable. illing LLC erger Oilfield Se	N 2 9 2022 Department o primental Protect City City ervices	Pennsboro		State		
Drilling Contra Address <u>562 Sp</u> Logging Comp Address <u></u> Cementing Cor Address <u>300 Sc</u>	ctor Frontier Dri ring Run Road any npany Schlumb	Service Service as applicable. illing LLC erger Oilfield Se	N 2 9 2022 V Department o promental Protect City City ervices City	Pennsboro		State StateX	Zip Zip7747	8
Drilling Contra Address <u>562 Sp</u> Logging Comp Address <u></u> Cementing Cor Address <u>300 Sc</u> Stimulating Co Address <u></u>	ctor Frontier Dri pring Run Road any npany Schlumbe hlumberger Dr mpany	wn ⊊nviro as applicable. illing LLC erger Oilfield Se	N 2 9 2022 V Department o promental Protect City City ervices City	Pennsboro		State StateX	Zip	8
Drilling Contra Address <u>562 Sp</u> Logging Comp Address <u></u> Cementing Cor Address <u>300 Sc</u> Stimulating Co Address <u></u>	ctor Frontier Dri ring Run Road any npany Schlumb hlumberger Dr mpany	wn ⊊nviro as applicable. illing LLC erger Oilfield Se	N 2 9 2022 V Department o promental Protect City City ervices City	Pennsboro		State StateX	Zip Zip7474 Zip	8

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

07/01/2022