KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(-	See Instruct	ions on Rev	erse Side)				
Open Flow						Test Date:			451				
Deliverabilty					Test Date 11/11/20	11/11/2015				No. 15 -21494-00	000		
Company ARES Energy, Ltd., 405 N. Marienfeld, Suite 250, Midlan						Lease						Well Number 31-16	
County Location Comanche SESE				Section 31			TWP 33S		RNG (E/W) 20W		Acres Attributed		
Field					Reservoir Morrow				Gas Gathering Conne DCP Midstream		ection		
				Plug Back 5435'	Total Dept	ħ	Packer So N/A		et at				
Casing Size Weight 5.5" 15.5#				Internal D	Internal Diameter 5.0"		Set at 5434'		Perforations 5242'		то 5252'		
Tubing Size Weight 2.375" 4.7#					Internal Diameter 2.0"		Set at 5266'		Perforations		То		
					Type Flui	Type Fluid Production Condensate			Pump Unit or Traveling Plunger? Yes / No				
Producing Thru (Annulus / Tubing)					% C	arbon Dioxi	de		% Nitrogen 2.333		Gas Gr .624	avity - G _g	
Tubing Vertical Depth(H)					. 193	.195 Pressure Taps			2.333			Run) (Prover) Size	
5434' Flange 3.068													
Pressure Buildup: Shut in 11/10 20 15 at 10:21 AM (AM) (PM) Taken 11/11 20 15 at 12:34 PM													
Well on L	.ine:		Started 11/	11 2	0 <u>15</u> at <u>1</u>	2:34 PM	(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours	
Static / Dynamic	Dynamic Size		Circle one: Meter Prover Press	Pressure Differential in	Flowing Well Her Temperature Temperat		Wollhood Proceura		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
	Property (inch		psig (Pm)	Inches H ₂ 0	- t	t	psig psia		psig	psia			
Shut-In							110	124.65					
Flow						ELOW STE	EAM ATTRI	DIITEC					
Bloom			Circle one:		<u>-</u>	FLUW SIR		PUIES				Flowing	
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure - psia	Press Extension P _m x h	Extension Fact		Flowing remperature Factor F _{It}	Fa	iation actor	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	et/ Fluid	
(P _c) ² =	•	· :	(P _w) ² =	: :	(OPEN FLO	• •	ERABILITY) % (P	CALCUL - 14.4) +		:	(P _a)	² = 0.207 ² =	
$(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose tormula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ²	2. $P_c^2 - P_d^2$ LOG of formula 1. or 2. 1. or 2. and divide		Backpressure Curve Slope = "n"or Assigned		, v 10e		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	_			divided by: Pc2-Pw	by:	<u> </u>	Standa	rd Slope				(mora)	
	•									•			
Open Flo	W			Mcfd @ 14.	65 psia		Deliverabi	iity			Mcfd @ 14.65 ps	<u>1a</u>	
		•	•	n behalf of the aid report is true			•			•	ort and that he ha	as knowledge of, 20 15	
				•		Recei	/ed						
_			Witness	if any)		S CORPOR ATION	ON COMMISSIO	N		For	Company		
			For Com	nission	······································	DEC 18	2015 -			Che	cked by		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator ARES Energy, Ltd. and that the foregoing pressure information and statements contained on this application form are true and									
correct to the best of my knowledge and belief based upon available production summaries and lease records									
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.									
I hereby request a one-year exemption from open flow testing for the Dennison 31-16									
gas well on the grounds that said well:									
is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No. ✓ is not capable of producing at a daily rate in excess of 250 mcf/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.									
Signature: Newy N. Clarton Received KANSAS CORPORATION COMMISSION Title: Henry N. Clanton, Managing Partner DEC 18 2015 CONSERVATION DIVISION WICHITA, KS									

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.