KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Rev	erse Side))					
Op	en Flo	w			To at Date				A DI	No de				
Deliverabilty				Test Date: 11/11/2015			API No. 15 033-21374-0000							
Company ARES Energy, Ltd., 405 N. Marienfeld, Suite 250, Midland, TX							Lease City of Coldwater				Well Number 23-10			
County Comanche			Location N2SE		Section 23				RNG (E.	RNG (E/W) 19W		Acres Attributed		
Field Reservoi				Reservoir Mississ		Gas Gathering C ANR			thering Conne	ection				
Completion 12-11-2		e			Plug Bac 5,410'	k Total Dept	h		Packer 8	Set at				
Casing Size 5-1/2"			Weigh 15.5#		Internal Diameter 4.95"		Set at 5,907'		Perforations 5,134'		то 5,181	то 5,181' ОА		
Tubing Size 2.375"			Weigh		Internal Diameter		Set at 5,412'		Perforations		То	То		
Type Con	nnletio	n (D	4.70#		1.995	d Production			Pump III	nit or Traveling	Plupper? Ves	/ No		
Pumpin		., (5.	csonse)		Water	0 1 1000001101				ing Unit	i lunger: 165	7 140		
Producing	_	(Anı	nulus / Tubing	1)	% C	Carbon Dioxid	de		% Nitrog	jen	Gas G	avity -	G _g	
Vertical D	epth(F	1)				Press	sure Taps				(Meter	Run) (F	rover) Size	
Pressure	Buildu	p:	Shut in 11/	10 2	15 _{at} 8	:00 AM	(AM) (PM)	Taken 11	1/11	20	15 _{at} 8:40 A	M	(AM) (PM)	
Well on L		•	Started 11/	11 2							at			
						OBSERVE	D SURFACE	DATA			Duration of Shut	-in_24	Hours	
Static / Dynamic	I		Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Weithead Proceure		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration		Liquid Produced (Barrels)	
Property (inches			Prover Pressu psig (Pm)	in Inches H ₂ 0	t	t					(Hours)	'		
Shut-In							250	264.65						
Flow														
						FLOW STR	EAM ATTRI	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Extension Fact		Flowing emperature Factor F _{rt}	erature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
												-		
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.)	2 = 0.2	207	
(P _c) ² =		_:		:	P _d =	9	6 (P	_c - 14.4) +	14.4 =	:	(P _d)			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _o) ² - (P _w) ²		1. P _c ² - P _c ² 2. P _c ² - P _c ²	1. P _c ² -P _c ² LOG of formula 2. P _c ² -P _c ² 1. or 2.		Šlop	ackpressure Curve Slope = "n" or Assigned		rog 📗	Antilog	Open Flow Deliverability Equals R x Antilog		
(P _c)*- (I	- ₀)-			divided by: P _c ² - P _y	and divide by:	P _c ² - P _w ²		ard Slope		الحا		,	(Mcfd)	
Open Flor	w		1	Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	ia		
		igned	d authority, or		•	states that he			o make th	<u> </u>	t and that he ha	-	vledge of	
				id report is tru									20 _15	
			Witness (ii	any)	KANS	Recei A s corpor ati	ved ON COMMISSI	ON		For Co	ompany			
			F 5			DFC 1	3 2015 -			-				
			For Comm	ission		טבט ונ	LUIJ			Check	ked by			

exempt status u and that the for correct to the be	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request ander Rule K.A.R. 82-3-304 on behalf of the operator ARES Energy, Ltd. egoing pressure information and statements contained on this application form are true and est of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named.
	uest a one-year exemption from open flow testing for the City of Coldwater 23-10
	grounds that said well:
(Che	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
=	ree to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.
Date: Decembe	er 11, 2015
к	Received ANSAS CORPORATION COMMISSION Signature: ALMY N. Clarton DEC 1 8 2015 Title: Henry N. Clanton, Managing Partner 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 Wichīta 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.