## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(	See Instruc	tions on Re	everse Side	<i>)</i> )					
Op	en Flo	w			Test Date				ADI	No. 15				
De	eliverat	oilty			12/03/2					3-20984-0	000			
Company ARES En		td., 4	05 N. Marien	feld, Suite 250, I	Midland, TX 7	9701	Lease Willen	ns			3-11	Well Nu	mber	
			Loca NWN		Section 3			TWP 33S		/W)	Acres Attributed 160		Attributed	
Field Colter \	West				Reservoi Mississ				Gas Ga	thering Conn	ection			
Completi 1-11-19		te			Plug Bac 5,331'	k Total Dep	th		Packer S None	Set at				
Casing S 5-1/2"	Size		Weig 15.5		Internal I 4.95"	Internal Diameter 4.95"		Set at 5,398'		rations 38'	то 5,252' ОА			
Tubing S 2.375"	ize		Weig 4.70		Internal Diar 1.995"		ameter Set at 5,313'		Perforations		То			
Type Cor Flowing	-	n (Di	escribe)		Type Flui Water	d Productio & Oil	n		Pump U	nit or Traveling	Plunger? Yes	/ No	<del></del>	
Producing	_	•	nulus / Tubir	ng)	% (	arbon Dioxi	ide		% Nitrog	jen	Gas Gr	avity - 0	€,	
Vertical E						Pres	sure Taps			·	(Meter	Run) (P	rover) Size	
Pressure	Buildu	ıp:	Shut in 12	/02	15 at 1	2:00 PM	(AM) (PM)	Taken_12	2/03	20	15 at 12:30	PM (	(AM) (PM)	
Well on L											at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut	in 24	Hours	
Static / Dynamic Property	Orif Siz (inct	ze	Circle one: Meter Prover Press	Differential in	Flowing Well Heat Temperature t		$(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0	<del> </del>		75	89.65	psig	psla			<del></del>	
Flow														
						FLOW STE	REAM ATTI	RIBUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Gircie ane: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fac F	tor	Flowing Temperature Factor F <sub>11</sub>		Deviation Meter Factor F <sub>pv</sub> ((		w GOR (Cubic Fe Barrel)	eet/ Fluid		
					(OPEN FL	OW) (DELIV	/ERABILITY	Y) CALCUL	ATIONS	,	(0.)	2 00		
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> :	=:	P <sub>d</sub> =	, .		P <sub>o</sub> - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	2 = 0.2 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	(P <sub>w</sub> ) <sup>2</sup> :	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_d^2$	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 1. or 2. and divide		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antile (Mcfd)		
Open Flo			1	Mcfd @ 14	SE poio		Delivera	hilih.			Mofd @ 14.65.00			
<u> </u>								<del></del>			Mcfd @ 14.65 ps	•		
		•	•	on benair or the said report is tru			•			,	ort and that he ha			
						Recei As corporat	ved							
			Witness	(if any)		DEC 1	R 2015			For	Company			
•			For Com	mission	Cr	ONSERVATIO				Che	cked by			
						WICHITA								

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 Willems 3-11
gas well on the grounds that said well:
(Check one)  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.
Date: December 11, 2015
Signature: Henry N. Clarta
Received KANSAS CORPORATION COMMISSION  Title: Henry N. Clanton, Managing Partner
DEC 1 8 2015  CONSERVATION DIVISION

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.