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

Type Test	t:				(	See Instruc	tions on Re	verse Side	)					
Open Flow				Test Date:					A Di	No 15				
Deliverabilty					Test Date 11/17/20			API No. 15 033-21033-0000						
Company ARES Energy, Ltd., 405 N. Marienfeld, Suite 250,						Lease City of					Well Number 23-15			
County Comanche			Location NESWSE		Section 23		TWP 32S		RNG (E/W) 19W		Acres Attributed 160			
Field Colter Northwest CHEROKEE			EROKEE	Reservoir /Mississ	sippian/M			Gas Gathering Connection ANR		ection	•			
Completion Date 12-15-2005					Plug Back Total Dept 5,250'		th	Packer None		Set at		•		
Casing Size 5-1/2"			Weight 15.5#		Internal Diameter 4.95"		Set at 6,131'		Perforations 5,014'		то 5 <b>,</b> 170'			
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995"		Set at 5,247'		Perforations		То			
Type Completion (Describe) Commingled (Ga			escribe)	Type Fluid Production Water				Pump Unit or Traveling Pumping Unit			Plunger? Yes / No			
Producing	g Thru	An	nulus / Tubing		% C	arbon Dioxi	de		% Nitrog	jen	Gas Gr	avity - (	<del></del>	
Annulus	_													
Vertical D	Depth(H	H)				Pres	sure Taps				(Meter F	Run) (P	rover) Size	
Pressure	Buildu										15 at 8:45 Al		AM) (PM)	
Well on L	.ine:		Started 11/	172	15 at 8:	45 AM	(AM) (PM)	Taken		20	at	(	AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24	Hours	
Static / Orific		78 Meter		Pressure Differential	Flowing Temperature	Well Head Temperature	Cas Wellhead	Pressure	Tubing Wellhead Pressure		Duration	Liquid Produced		
Property	(inches)		Prover Pressu psig (Pm)	re in Inches H <sub>2</sub> 0	t	t	(P <sub>w</sub> ) or (F	psia	(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		(Hours)	"	(Barrels)	
Shut-In							150	164.65	poig	POIL			-	
Flow														
			•			FLOW STE	REAM ATTR	IBUTES						
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure psia		Press Extension ✓ P <sub>m</sub> xh	Grav Fact F <sub>s</sub>	tor	Flowing Temperature Factor F <sub>II</sub>	Fa	iation ctor <sub>pv</sub>	Metered Flov R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
						<u> </u>								
(P <sub>a</sub> ) <sup>2</sup> =		:	(P,,,)² =	:	(OPEN FLO	OW) (DELIV		") CALCUL P <sub>o</sub> - 14.4) +		:	(P <sub>a</sub> ); (P <sub>a</sub> );	? = 0.2 ? =	07	
$(P_c)^2 = \frac{(P_c)^2 - (P_a)^2}{(P_c)^2 - (P_d)^2}$		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 of 2			Backpressure Cu Slope = "n"			LOG	A-4/4	Open Flow Deliverability		
or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	1. or 2. and trivide	1. or 2. and trivide   p 2 _ p 2		Assigned Standard Slope			Antilog	Equals	Equals R x Antilog (Mcfd)	
													•	
Open Flo	MARY	ļ	<u> </u>	Mcfd @ 14	65 psis		Deliverat	allièse.			Mcfd @ 14.65 psi			
		sione	d authority o		·	states that h			o make t	he above reno	ort and that he ha		ledge of	
		-	•	id report is tru	e and correc		this the 1	1		•			20 15 .	
Witness (if any)				any)	DEC 1 8 2015				For Company					
			For Comm	ession	CC	NSERVATIOI WICHITA	N DIVISION . KS			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 City of Coldwater 23-15 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: Alexy N. Clarton  Received KANSAS CORPORATION COMMISSION  DEC 1 8 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.