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

Test Date:    Deliverability   S-29-2012   Test Date:   S-29-2012   Tes	Type Test	t:					(	See Ins	structi	ions on Re	everse Sid	e)					
Personant   Pers	Op	en Flo	w				T4 5						No. 45				
County   Cost   Cost   County   Cost   C	De	liverab	ilty											-0000			
County   Location   Saction   TWP   RNG (EM)   Acres Attributed Meade   C.Se-Nw   17   31   29w   840			ng C	o., Inc							'D"	na come o come e e e e				Number	
Completion Date  Flug Back Total Depth  Packy Set at  AN - Completion Date  -28-1957  Casing Size  Weight  Internal Diameter  Stat  Flug Back Total Depth  Packy Set at  AN - Completion  Stat  Perforations  To  Stat  Flug Back Total Depth  Packy Set at  Perforations  To  Stat  Flug Back Total Depth  Packy Set at  Perforations  To  Stat  RCC Will  Internal Diameter  Set at  Perforations  To  Static  Pump Unit or Traveling Plunger?  Yes / Completion (Describe)  Type Fluid Production  water  The Fundation of The Very Size  Report To Annulus / Tubing)  Static (Gas)  Pressure Buildup:  Persoure Buildup:  Persoure Buildup:  Persoure Buildup:  Static / Onfice Dynamic  Size  Pressure Buildup:  Pre	County			Location			Section	Section									
Type Fluid Production Water flowing  Type Fluid Production Water flowing  Trod Cass  Water flowing  Well on Line: Started Frover Pressure Figs (Meter Run) (Prover) Size  Property (inches) Prover Pressure Figs (Meter Run) (Prover) Size  Prover Pressure Figs (Meter Run) (Prover) Size  Prover Pressure Figs (Meter Run) (Prover) Size  Well Head Observed (Remerital in Inches H, 0) Fig. Prover Pressure Figs (Prover) Pressure Figs (Meter Run) (Prover) Size  Prover Pressure Figs (Meter Run) (Prover) Size  Well Head Observed (Remerital in Inches H, 0) Figs (Prover) Pressure Fig												_		RECFI			
Type Fluid Production Water flowing  Type Fluid Production Water flowing  Troubling  Person Thru (Annulus / Tubing)  % Carbon Dioxide % Nitrogen Gas Gravity - 0,  Meter Run) (Prover) Size  Pressure Buildup: Shut in 9-29 20 12 at (AM) (PM) Taken 20 at (AM) (PM)  Veil on Line: Started 9-30 20 12 at (AM) (PM) Taken 20 at (AM) (PM)  Static / Onfice Size Page (Inches) Prover Pressure Inches H,0 Prover Pressure Page (Inches) Page	•				Plug Bac	k Total	Depti	1 Packer		Packer S NA	Set at			JAN n 4			
Type Fluid Production Water flowing Pump Unit or Traveling Plunger? Yes / (1955) Flowing Production Water flowing Prossure Size Prossure Buildup: Shut in 9-29 20 12 at (AM) (PM) Taken 20 at (AM) (PM) Prossure Differential Flowing Prossure Prossure Prover Prover Prossure Prover Prover Prover Prossure Prover Prove	1/2		<del>-</del>				Internal Diameter			5583		5397			To 5413 KCC 14#		
Single   Gas   Water   South	.667									5405							
ressure Buildup: Shut in g-29 20 12 at (AM) (PM) Taken 20 at (AM)	Singl	e (C	àas	•)			water					flowing	]				
ressure Buildup: Shut in 9-29 20 12 at (AM) (PM) Taken 20 at (AM) (PM)  Well on Line: Started 9-30 20 12 at (AM) (PM) Taken 20 at (AM) (PM)  Static / Orifice Meter (Inches) Pressure pring in Inches H <sub>2</sub> 0 if Pressure property (inches) Pressure paig (Pm) Inches H <sub>2</sub> 0 in Inches H <sub>3</sub> 0 in I	ubing			ulus / lut	oing)		% (					% Nitrog	en				
Started 9-30 20 12 at (AM) (PM) Taken 20 at (AM) (PM) (PM) Taken 20 at (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P	ertical D	epth(H						······		nome							
Static / Orfice   Circle one   Meter   Pressure   Pressure   Cincle one   Meter   Prover Pressure	ressure	Buildu									20						
Static / Orifice Size Property (inches) Pressure paig (Pm)   Pressure pa	√ell on L	ine:	S	Started 3	-30	2(	) <u>'</u> at			(AM) (PM)	Taken		20	at			
Hatic / prize				Circle of	ıe:	Pressure		OBSE	RVE			1 -		Duration of Sh	nut-in 2	4 Hours	
FLOW STREAM ATTRIBUTES  Plate Coefficient (F <sub>s</sub> ) (F <sub>p</sub> ) Prover Pressure Pisla	ynamic	Size		Meter Prover Pressure		Differential in	Temperature	Tempera		Wellhead Pressure $(P_w)$ or $(P_c)$		Weithe (P <sub>*</sub> ) or	Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Li	,	
Plate Coefficient (F <sub>L</sub> ) (F <sub>P</sub> ) Prover Pressure psia Press (P <sub>m</sub> Xh) Pressure Pressure Pressure Psia Pressure Pressure Psia Pressure Psia Pressure Pressure Psia Pressure Pressure Psia Pressure Prover Pressure Psia Pressure Psia Pressure Pressure Pressure Psia Pressure Pressure Pressure Pressure Psia Pressure	ihut-In																
Plate Coefficient (F <sub>c</sub> ) (F <sub>g</sub> ) (F <sub>g</sub> ) Mode on the point (F <sub>c</sub> ) (F <sub>g</sub> ) (F <sub>g</sub> ) Prover Pressure pia (P <sub>c</sub> ) = (P <sub>c</sub> ) <sup>2</sup> - (P <sub>c</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>c</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>c</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>c</sub> ) <sup>2</sup>	Flow										<u> </u>	]					
Coefficient $(F_b)(F_b)$ $(F_b)(F_b)(F_b)$ $(F_b)(F_b)(F_b)(F_b)(F_b)(F_b)(F_b)(F_b)$		Т					<del></del>	FLOW	SIRE		IBUTES	<del></del> 7				<u> </u>	
Pen Flow  Mcfd @ 14.65 psia    Po	Coefficient (F <sub>b</sub> ) (F <sub>p</sub> )		Meter or Prover Pressure			Extension	Fac	tor	Temperature Factor		Fa	ictor	R	(Cubic	Feet/	Fluid Gravity	
P <sub>c</sub> = (P <sub>w</sub> ) <sup>2</sup> = P <sub>c</sub> = % (P <sub>c</sub> - 14.4) + 14.4 = (P <sub>d</sub> ) <sup>2</sup> = (P <sub>d</sub> ) <sup>2</sup> = (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>   (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>   (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>   (P <sub>c</sub> ) <sup>2</sup> - P <sub>w</sub> <sup>2</sup>   (P <sub>c</sub> ) <sup></sup>																	
Pen Flow  Mcfd @ 14.65 psia  The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of	,)² =		:	(P <sub>w</sub> )	² =			OW) (DI			-		•				
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of	or		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>			1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	tormula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P	2	Slope = "n" or Assigned			LOG [	Antilog		Deliverability Equals R x Antilog	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of			-														
	pen Flov	v				Mcfd @ 14.6	S5 psia		•	Deliverat	pility		<u> </u>	Mcfd @ 14.65	psia		
facts stated therein, and that said report is true and correct. Executed this the day of, 20	The u	ndersi	gned	authority,	on b	ehalf of the	Company, s	tates th	at he	is duly a	uthorized t	o make th	e above repor	rt and that he	has kn	owledge of	
	facts st	ated th	ierein,	, and that	said	report is true	and correc	t. Exec	uted t	his the		day of			<b></b>	, 20	
Wilness (if any) For Company				Wilnes	s (if any	<i>y</i> )							For C	ompany			
For Commission Checked by				For Co	mmissiç	<b>n</b>							Chec	ked by			

exem	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request pt status under Rule K.A.R. 82-3-304 on behalf of the operator Rama Operating Co., Inc.
correct of equ	nat the foregoing pressure information and statements contained on this application form are true and of the best of my knowledge and belief based upon available production summaries and lease records sipment installation and/or upon type of completion or upon use being made of the gas well herein named. Thereby request a one-year exemption from open flow testing for the Smith D
	ell on the grounds that said well:
staff a	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  urther agree to supply to the best of my ability any and all supporting documents deemed by Commissions necessary to corroborate this claim for exemption from testing.
	Signature:  Title: Vice President

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.