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

Туре Те	st:				(See Instruc	ctions on Re	verse Sid	e)				
c	pen Flow	1										
Deliverabilty				2 <sup>-14-1</sup> 3				API No. 15 1 <b>5-071-20036 –<i>0000</i></b>				
Compar		porotino I		<b>V</b>	, <u> </u>	Lease				<del></del>	Well Number	
Horseshoe Operating, Inc.			Thomps Section TWP			oson	DNO /F	-440	1			
Greeley C SW			31		208		RNG (E/W) 40W			Acres Attributed 640		
Field Bradshaw			Reservo Chase				Gas Gathering Connecti DCP Midstream		ction			
Completion Date 5/13/73			Plug Ba 2789	ck Total Dep	oth	h Packer Set at None						
Casing Size Weight 4.5 9.5			Internal Diameter 4.09		Set at <b>2788</b>		Perforations 2772		то 2784			
Tubing Size Weight 2.375 4.7			Internal Diameter 1.995		Set at <b>2777</b>		Perforations		То			
Type Completion (Describe) Single Gas				Type Flu Water	id Production	Pump Unit or Travelli Yes			nit or Traveling I	ng Plunger? Yes / No		
		Annulus / Tub	ing)	% (	Carbon Dioxi	ide ,	.,	% Nitrog	gen	Gas G	ravity - G	
Annulus Vertical E			<del></del>								•	
3030	zebru(H)				Pres	SUTE Taps	e				Run) (Prover) Size	
Pressure	Buildup:	Shut in	2-13 :	о <u>/З</u> аt	9:15	(AM) (PM)	Taken	2-1	4 20/	3 at 9.7	5 (AM) (PM)	
Welf on L	ine:	Started	2	0 at		_						
				····	OBSERVE	D SURFACE	DATA			uration of Shut	-in 24 Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one Meter Prover Pres	Differential	Flowing Temperature	Well Head Temperature	Wallhaari Drageura		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced	
Shut-In	(1101108)	psig (Pm	) Inches H <sub>2</sub> 0	t	t t	psig	psla	psig	psia		(Barrels)	
						78				24		
Flow		<u> </u>									<u>                                     </u>	
			<del> </del>	<del></del>	FLOW STR	EAM ATTRI	BUTES		<u> </u>			
Plate Coeffiech (F <sub>b</sub> ) (F <sub>p</sub> Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension	Grav Fact F <sub>g</sub>	or To	Temperature Fa		Metered Flow actor R (Mcfd)		GOR (Cubic Fe 8arrel)		
			<u> </u>				<u> </u>					
(P <sub>c</sub> ) <sup>2</sup> =	<u> </u>	(P <sub>w</sub> )² =	=:	(OPEN FLC	)W) (DELIVE	ERABILITY) (P <sub>e</sub>	- 14.4) +		· :	(P <sub>a</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =	
$(P_c)^2 - (P_c)^2 - (P_c$	- 1	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup>	1. P <sub>0</sub> <sup>2</sup> -P <sub>2</sub> LOG of formula 2. P <sub>0</sub> <sup>2</sup> -P <sub>0</sub> <sup>2</sup> 1. or 2.		Backpressure Curve Slope = "n" 		nxl	.og	Antilog	Open Flow Deliverability Equals R x Antilog	
			divided by: $P_c^2 - P_w^2$	Бу:	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Standar	u olope		- J		(Mcfd)	
Open Flow		· · · · · ·	Mcfd @ 14.6	5 psía	•	Deliverabili	ity		Mo	ofd @ 14.65 psi	a	
			n behalf of the (				norized to	make th	e above report	and that he ha	s knowledge of	
e facts sta	ited there	in, and that sa	aid report is true	and correct.	Executed to	his the	<u>ک</u> ہ	lay of	June		,20 <u>/3</u> .	
· · · -		Witness (i	if any)					ani	Le Ky	Slekc	C WICHITA	
						_		/	ror com	ματην <i>U</i>		
		For Comm	rission		-				Checker	iby <b>JU</b>	N 19 2013	

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 Horseshoe Operating, Inc. 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 theThompson 1
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.
Date: 6-12-13
signature: Janice Ripley  Title: Production Assistant

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.