KCC WICHITA

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

Type Test	t:					See'Instru	ctions on Reve	erse Side	)				
Open Flow													
Deliverability					Test Date: 2-10-11				No. 15 5-20568-000	n			
Company Horseshoe Operating, Inc.				870	Lease Hazlett					Well Number			
				Section 22	Section TWP			RNG (E.		Acres Attributed 640			
					Reservoir Winfield			Gas Gai	ection		<del></del>		
				Plug Bac 2783'	Plug Back Total Depth 2783'			Packer S	Set at				
			Weight 10.5			Internal Diameter 4.052		Set at <b>2793'</b>		rations 0	то 2773		
Tubing Size Weight 2-3/8 4.7				Internal D 2.000	Diameter	Set at <b>2774'</b>		Perforations		То	То		
Type Completion (Describe) Single - Gas				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Pump - Rod			/ No	<del></del>	
Producing Annulus	-	(Annulus / Tub	lng)		% C	arbon Dio			% Nitrog	jen	Gas Gi	avity - (	G,
Vertical Depth(H)					Pressure Taps Flange			(Meter Run) (F 2"			rover) Size		
Pressure	Buildup	: Shut in	2	-9 2	o_// <sub>at_</sub>	7:00	(AM) (PM) 1	aken	2-1	20	11 at 9:0	0(	(AM)(PM)
Well on L	ine:	Started		2	0 at		_ (AM) (PM) 1	aken	<del></del>	20	at		(AM) (PM)
				<del></del>		OBSERV	ED SURFACE	DATA			Duration of Shut	in	24 Hours
Static / Orifice Oynamic Size Property (inches		Meter Proves Bressure		Pressure Differential in Inches H,0	Flowing Well Head Temperature t 1		Casing Wellhead Pressure (P_ ) or (P_ ) or (P_ )  psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>q</sub> ) psig psia		Duration (Hours)		id Produced Barrels)
Shut-In .50		_						56	pary	рын	24		
Flow	_			l 								<u></u>	
r			-		1	FLOW ST	REAM ATTRIE	BUTES					<del></del>
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mofd		Circle one: Meter of Prover Pressure psia .		Press Extension  Pmxh.	Factor		Flowing Temperature Factor F <sub>rt</sub>		ation ctor	Metered Flow R (Mcfd)	(Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
		_						[					
(P <sub>e</sub> ) <sup>2</sup> =		· (P.)	_		(OPEN FLO		VERABILITY) (	-		•	(P <sub>a</sub> )	² = 0.2	207
(P <sub>a</sub> ) <sup>2</sup> - (F	·	(P <sub>o</sub> )² - (P <sub>w</sub> )²		1. P <sup>2</sup> · P <sup>2</sup> 1. P <sup>2</sup> · P <sup>2</sup> 2. P <sup>2</sup> · P <sup>2</sup> 1. or 2. and divide		Backpre Sloj		o - 14.4) + 14.4 = e = "n"		roe	Antilog D		pen Flow liverability s R x Antilog (Mcfd)
												ļ	
Open Flov			<u></u>	Mcfd @ 14.	65 psia		Deliverabili				Mcfd @ 14.65 psi		
-		man contract	·		• ;	Andrew 47 (1)		·		-	<u> </u>		
		ned authority, erein, and that				•	1	11	day of	May	rt and that he ha	s know	redge of
<del>,</del>		Witness	(if an	n		<del></del>		7	ARTILUX.	For C	Inpany	KEC	-IVEU
		For Con	nniask	on .			_			Chec	ked by	MAY	27.2011

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 the Hazlett #1  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: 5-24-//
Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</u>

## 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.