KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(See Instruc	tions on Re	everse Side	9)					
□ Оре	en Flow			Tool De	•			4	41. 45				
Deliverability				7/2/s	Test Date: API No. 15 71.26// 15-071-20741-00-00							•	
Company Horseshoe Operating, Inc.					Lease Householder				2-29			Well Number	
County Location Greeley C NE			Section 29		TWP 20S		RNG (E/W) 40W		· · · · · · · · · · · · · · · · · · ·	Acres Attributed 640			
Field Bradshaw					Reservoir U. Winfield			Gas Gathering Connection DCP Midstream					
Completion Date 3-20-2001				Plug Bad 2818	Plug Back Total Depth 2818			Packer S	et at		· · · · · · · · · · · · · · · · · · ·		
Casing Size Welght .5 10.5			Internal 4.09	Diameter	Set at 2847		Perforations 2794		то 2798				
Tubing Size Weight 2.375 4.7			Internal 1.995	Diameter	Set at 2812		Perforations		То				
Type Completion (Describe) Single - Gas					Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod					
Producing Thru (Annulus / Tubing) Annulus				% (% Carbon Dioxide			% Nitroge	Gas G	Gas Gravity - G			
Vertical Depth(H) 2796					· Pressure Taps Flange			(Meter Run) (Prover) Size 2"					
Pressure E	Buildup:	Shut in	7/25	20// at_			Taken	7/2	6 <u>20</u>	// at <u>2.</u>	10	(AM) (PM)	
Well on Lir	ne:	Started	,	20 at		_		,		at			
		-, . <u>-</u> -		····	OBSERVE	D SURFAC	E DATA	,		Duration of Shut	t-in_=	4 Hours	
Static / Dynamic	Orifice Size (inches)	Circle one Meter Prover Pres	Differential	Flowing Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _o)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₆)		Duration (Hours)	_	Liquid Produced (Barrels)	
Property Shut-In	(menes)	psig (Pm) Inches H ₂ 0	t	t	psig) 4	psig	psia	24			
Flow	 -	-					, ,			97		, 	
<u>-</u>			!		FLOW STR	EAM ATTR	IBUTES	<u> </u>	<u></u>				
Plate Coefficie (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension	Press Gravi Extension Factor		ity Flowing Temperature		ation ctor	Metered Flow R (Mcfd)	v GOR (Cubic Fo	eet/	Flowing Fluid Gravity G	
			 										
° _c)² =		(P _w)²		(OPEN FL	OW) (DELIV) CALCUL) ² = 0.2	07	
(P _a) ² - (P _a	Į.	(P _a) ² - (P _a) ²	Choose formula 1 or: 1. Pa Pa 2. Pa Pa			Backpressure Curve Slope = "n"		0 7 100		(P _g	Open Flow Deliverability Equals R x Antilog		
			dModed by: P.2 - P.		P.2. P.2		ard Slope	-				Mcfd)	
								-	-		 		
open Flow	,		Mcfd @ 14	.65 psia		Deliverabi	ility		······································	Mcfd @ 14.65 ps	ia		
			on behalf of the				2	make the		rt and that he ha		edge of	
		Wilness	(if any)	·· ·		_		enice	, Rip	ley	RE	CEIVED	
	<u> </u>	For Com			·		. 0			ompany ked by	AU	G 1 1 2011	
		100 100 100 100	٠.,	•				•		•	KCC	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 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 Householder 2-29 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: $8/3/11$
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.