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

Туре Те:	st:						(See Instruc	ctions on Re	verse Side	)		,			
□ ∘	pen Flo	w				Total Day			•		No. 48				
_ D	oilty				5-22	-/2				No. 15 -071-2003	5-00-00				
Company Horseshoe Operating, In				nc.				Lease Drake				1	Well N	lumber	
County Greeley			Location			Section		TWP		RNG (E/W)		****		Attributed	
Field			C NE			27 Reservoir		208	203		40W Gas Gathering Connection		640		
Bradshaw							Chase				DCP Midstream				
Completi 11/197	'3	e					Plug Back Total Depti 2848		n Packer None						
Casing Size 5.5			Weig 14.0	•		Internal Diameter 5.012		Set at <b>2954</b>		Perforations 2810		то 2820	)		
Tubing Size 2.375			Weight 4.7		Internal ( 1.995		Diameter Set at 2831			Perfo	rations	То			
Type Cor Single	Gas		,			Type Flui Water	id Productio			Pump Ur Yes	nit or Traveling	Plunger? Yes	r? Yes / No		
Producing Annulus		(Ani	nulus / Tubing)			% C	Carbon Dioxi	lde	% Nitrogen			Gas Gravity - G			
Vertical C 2955	Pepth(H	i)			·		Pres	sure Taps				(Meter	r Aun) (F	Prover) Size	
Pressure	Buildu	p: :	Shut in	5	-21 2	0/2at_	9:08	(PM)	Taken	5-2	2 20	12 at 9:	08	(AM) (PM)	
Well on L	ine:		Starțed		S	0 at		(AM) (PM)	Taken	<u> </u>	20	at		(AM) (PM)	
	11	-			<del>-</del>		ODCERVE	D 011054.05			<del></del>			24 Hours	
		Circle on Mater		Pressure		Flowing	Well Head	Casi	Casing Wellhead Pressure		ubing ad Pressure	Duration of Shut	1	Liquid Produced	
Dynamic Property	Size (Inche		Prover Pressure psig (Pm)		in Inches H <sub>2</sub> 0	Temperature t	Temperature t	$(P_w)$ or $(P_t)$ or $(P_s)$		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>a</sub> )		(Hours)		(Barrels)	
Shut-In	.62	25							68.5			24			
Flow												<u> </u>	<del>                                     </del>		
					· · ·		FLOW STR	EAM ATTRI	BUTES						
Plate Coefficient (F <sub>p</sub> ) (F <sub>p</sub> ) Mold		Circle one: Melar or Prover Pressure psia		Press Extension		Grav Fact F	or 1	Flowing Temperature Factor	Fax	ation Metered Flow ctor R (Mcfd)		GOF (Cubic F Barre	eet/	Flowing Fluid Gravity	
				+				F <sub>n</sub>			<u> </u>		G <sub>m</sub>		
			•			(OPEN FLO	OW) (DELLV	ERABILITY)	CALCUL	ATIONS		(P.	) <sup>2</sup> = 0.1		
(P <sub>o</sub> )* =	<del>-</del>	<u>:</u>	(P <sub>u</sub> ) <sup>2</sup> ·		: see formula 1 or 2:	$P_d = $		<u>(P</u>	<u>- 14.4) +</u>	14.4 =	<del></del> :-,		) <sup>2</sup> =	<del></del> ,	
(P <sub>a</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>a</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		(P <sub>a</sub> )2- (P <sub>w</sub> )2		1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>s</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide	Slope		sure Curve e = "n" or igned	nxl	.oa	Antilog	De Equat	Open Flow Deliverability Equats R x Antilog (Mcfd)	
		_		avia	ed by: Pa - Pa	by:	<u> </u>	Standa	ind Slope			<del></del>		(MCIO)	
Open Flow					Mcfd @ 14.6	<u> </u>		Dall a sabi	124						
	_	_	·····			· · · · · ·		Deliverabl				Mcfd <b>@</b> 14.65 p		<del></del>	
								e is duly au this the <i>2</i>	_	make that a make that	e above repoi	t and that he !	ias knov	vledge of	
•	·	_	Witness (					-		anie	e K	ipley	, R	ECEIVE	
		_										. (/		N O E OO	
			For Comm	dastor	1			_			Chec	ked by	<del></del>	I <del>N 2 5 2</del> 0	

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
(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: 6-22-12
$\cdot$
Signature: <u>Janice Ripley</u> Title: <u>Troduction</u> 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.