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

Type Test	:			(	See Instructi	ions on Reve	rse Side	)			
	en Flow liverabilty		4	Jest Date	: /2			АРІ <b>15</b> -	No. 15 <b>071-207</b> 52	-00-00	
ompany orses		erating, Inc.				Lease Sandifer		<del></del>		2	Vell Number
			Section TWP 19S				RNG (E/W) Acres Attributed 39W				
Field			Reservoir Winfield				Gas Gathering Connection DCP Midstream				
ompletic				Plug Back 2850	k Total Dept	h		Packer S	Set at	<u>.                                    </u>	
asing Si	g Size Weight 10.5		Internal Diameter 4.052		Set at <b>2852</b>		Perforations 2816-28		То		
ubing Si -3/8			Internal Diameter 2.000		Set at <b>2842</b>		Perforations		То		
			Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Pump Unit					
roducing	Thru (A	nnulus / Tubing	)	% C	arbon Dioxid	de		% Nitrog	en	Gas Gr	avity - G <sub>g</sub>
	epth(H)		· · · · · · · · · · · · · · · · · · ·	<del></del>		sure Taps			The same of the sa	(Meter F	Run) (Prover) Size
ressure	Buildup:	Shut in _5	-21_2	12 at_		0	aken	5-6	12 20/	2 at 1:3	54 (PM)
Vell on L	•		20	at		(AM) (PM) T	aken		20	at	(AM) (PM)
					OBSERVE	D SURFACE	DATA	•		Duration of Shut-	in 24 Hours
Static / ynamic roperty	Orlfice Size (inches)	Circle one:  Meter  Prover Pressui	1 1	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	1.00	psig (Pm)	Inches H <sub>2</sub> 0			38	psia	psig	psia	24	
Flow											
				<del></del>	FLOW STR	EAM ATTRIE	BUTES		Г		<u> </u>
Plate Coeffiec (F <sub>5</sub> ) (F Mcfd	ient F	Circle one: Mater or Prover Pressure psia	Press Extension  P <sub>m</sub> xh	Grav Fac	tor	Flowing Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	I Gravity I	
			h #0 ,,	, .	, .						
) <sup>2</sup> =		(P <sub>w</sub> ) <sup>2</sup> =		(OPEN FL		<b>ERABILITY)</b> % (P.		LATIONS + 14.4 = _	:	(P <sub>s</sub> )	$p^2 = 0.207$ $p^2 = 0.207$
$(P_c)^2 - (P_c)^2 - (P_c$	_	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Backpres Slope Ass		e	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			divided by. 1 c w		<u> </u>						
	undersign	ed authority, or		Company,				to make		Mcfd @ 14.65 ps	as knowledge of, 20 \( 22 \).
		Witness (if	fany)					)ani	CE K	plly mpany	Braz
<u></u>		For Comm	ission		<del></del>	_	- 0		Che	cked by	KECEN
		, or contain								v	1111 4 2

JUL 13 2012

KCC WICHITA

į.	under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	s under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	oregoing pressure information and statements contained on this application form are true and
į.	best of my knowledge and belief based upon available production summaries and lease records
	installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for the Sandifer #2
	e grounds that said well:
(Cl	heck one)
	is a coalbed methane producer
, [	is cycled on plunger lift due to water
<u>;</u> [	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 a	gree to supply to the best of my ability any and all supporting documents deemed by Commissio
1	sary to corroborate this claim for exemption from testing.
Date: 7-9-1	<i>i</i> 2
)ale: / / /	
	A • A
	Signature: <u>Anice Repley</u>
	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.