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

	pen Flow			_Jest Da		ctions on R	everse 310	•	No. 15		
	eliverabilty	/		5-22					071-20103	-0000	
		erating, In	c.			Lease Clift				1-9	Well Number
County Location  Greeley C NE		Section 9		TWP 19S			RNG (E/W) 40W		Acres Attributed 640		
Field Bradshaw			Reservoir Winfield					ering Conne Midstream			
Completion Date 1/30/76			Plug Back Total Dept 2939		oth		Packer S None				
Casing 8 4.5	Size Weight 10.5		Internal Diameter 4.04		Set at <b>2959</b>		Perforations 2885		то 2898		
ubing 8 2.375	ize	ze Weight 4.7		Internal Diameter 1.995		Set at 2908		Perforations		To	<u></u>
Type Completion (Describe) Single Gas			Type Flu Water	id Productio		Pump Unit or <b>Yes</b>		t or Traveling I	Plunger? Yes	/ No	
Producin		nnulus / Tubing	g)	% (	Carbon Diox	ide	,′	% Nitroge	n	Gas G	ravity - G <sub>p</sub>
ertical [	Pepth(H)			<del></del>	Pres	sure Taps		4		(Meter	Run) (Prover) Size
ressure	Buildup:	Shut in	5-21	20/3 <sub>at</sub> _	11:48	(AN) (PM)	Taken	5-6	22 20/	3 <sub>at</sub> //.	48 (AM) (PM)
Well on Line: Started			.0 at	<del></del>					at		
					OBSERVE	D SURFAC	E DATA		0	uration of Shut	-in <u>24</u> Hou
Static / ynamic roperty	Orifice Size (inches)	Circle one:  Meter Prover Pressuresig (Pm)	1	Flowing Well Head Temperature t t		Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.500	239 (FIII)	Inches H <sub>2</sub> 0			psig	61.5	psig	psia	24	
Flow							-				
				. <u> </u>	FLOW STR	EAM ATTR	IBUTES		<u> </u>		
Plate Coeffiecie (F <sub>h</sub> ) (F <sub>p</sub> Mcfd		Clicle one: Meter or over Pressure psia	Press Extension Pmxh	Grav Facto F <sub>g</sub>	- 1 -	Flowing Temperature Factor F <sub>II</sub>		ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	l Commenter.
							ļ				
) <sup>2</sup> =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO	)W) (DELIVE		CALCUL/ - 14.4) +		:	(P <sub>a</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>e</sub> )² - (P <sub>e</sub> or (P <sub>e</sub> )² - (P <sub>e</sub>	· ] '	$ (P_c)^2 - (P_w)^2 $ Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
	_										
n Flow			Mcfd @ 14.6	5 neia	*	Deliverabi	litu				
-	dersigned	authority, on t			ates that he			make the	<del></del>	ofd @ 14.65 psi	a s knowledge of
			report is true				10	ay of	June	——	, 20
	··—	Witness (if an	ıy)	<del></del>	<del></del>	_	$-\zeta$	anie	V K	iples	KCC WIC
		For Commissi		<del></del>	<del></del>	<u>.                                    </u>	<u> </u>	<del></del>	Checked	Ty /	JUN 20 2
											RECEIV

	Signature: <u>Production</u> Assistant							
Date: <u><b>6-18-1</b></u>	<u>'3</u>							
staff as necessary	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.							
<b>✓</b>	is not capable of producing at a daily rate in excess of 250 mcf/D							
	is on vacuum at the present time; KCC approval Docket No.							
一	is a source of natural gas for injection into an oil reservoir undergoing ER							
	is cycled on plunger lift due to water							
(Check	one) is a coalbed methane producer							
gas well on the gr	ounds that said well:							
l hereby requ	est a one-year exemption from open flow testing for the Clift 1-9							
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named.							
	t of my knowledge and belief based upon available production summaries and lease records							
	going pressure information and statements contained on this application form are true and							
	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.							

## 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.