## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Tes	t:				(	See Instruc	tions on Rev	erse Side	)					
□ o <sub>i</sub>	en Flo	οw												
Deliverabilty			Test Date /-(a-//	<b>:</b>		1	No. 15 <b>1-20796-0</b> 0	)-OO						
Compan	y shoe	Ope	erating, Inc	2.	1.0-11	·· <del>·</del>	Lease Clift A	<u></u>	<u> </u>		3-33	Well Nu	mber	
County Greeley			Location C NE		Section 33		TWP 18S		RNG (E/W)		<u> </u>	Acres Attributed		
Field Bradshaw				<del> </del>	Reservoir Winfield				Gas Gathering Connection					
Completi 9/29/04	on Da	le		<del></del>		k Total Dept	th		Packer		щ		•	
Casing Size 4.5			Weigh	Internal I	Internal Diameter 4.052		Set at 2912		Perforations 2869-83		то 2887-91			
Tubing Size 2.375		_	Weigh	t	Internal Diame				Perforations		То			
Type Cor Single	npletic	n (D		·-····································		d Production			Pump U	nit or Traveling	Plunger? Yes	/ No		
	g Thru	(An	niduT \ eulun	3)	% (	arbon Dioxi	de		% Nitrog	gen	Gas G	ravity - G	i <sub>a</sub>	
Vertical D	Depth(l	H)			<del></del>	Pres	sure Taps		- <del></del>		(Meter	Run) (Pr	over) Size	
Pressure	Buildu	ıp:	Shut in	1-5 2	0 <u>//</u> at	8:00	(AM) (PM)	Taken	1-0	20	11 at 8:00	0 (	AM) (PM)	
Well on L	ine:		Started	20	0 at	<del></del>	(AM) (PM)	Taken	<del>-</del>	20	at		AM) (PM)	
	_		Circle one:	Pressure		OBSERVE	D SURFACE				Duration of Shut	-In_2	4 Hours	
Static / Dynamic Property	Orif Siz (inch	. e	Mater Prover Presst psig (Pm)	Differential	Flowing Temperature t	Well Head Temperature t	Casir Wellhead P (P <sub>w</sub> ) or (P <sub>1</sub> )	705SUF0	Wellhe	Tubing ed Pressure r (P <sub>t</sub> ) or (P <sub>s</sub> ) psia	Duration (Hours)		l Produced Parrels)	
Shut-In								94	μ, η	рыа	24			
Flow														
	1		<u>:</u>		<del>-</del>	FLOW STR	EAM ATTRI	BUTES				1	<del></del> -1	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Cittle one: Meter or Prover Pressure psla		Press Extension Paxh	Grav Fact F <sub>a</sub>	or T	Flowing Temperature Factor Fr		Deviation Meter Factor F <sub>pv</sub> (M		GOR (Cubic Fo Barrel	· · · .	Flowing Field Gravity G <sub>m</sub>	
							, <u>, , , , , , , , , , , , , , , , , , </u>							
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO	• •	ERABILITY)	CALCUL - 14.4) +			(ዎ <sub>ል</sub> (ዎ <sub>d</sub>	) <sup>2</sup> = 0.20	)7	
		(P	<sub>c</sub> ) <sup>2</sup> - (P <sub>u</sub> ) <sup>2</sup>	Choose formula 1 or 2: 1. $P_a^2 - P_a^2$ 2. $P_a^2 - P_a^2$ Stylded by: $P_a^2 - P_a^2$	LOG of formula 1. or 2. and divide p 2. p		Backpressure Cur Slope = "n"				Antilog	Ope Della Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
<del></del>				-			<u> </u>				-		·	
Open Flov	l			Mcfd @ 14.6		<del> </del>	Deliverabil	ity			Mcfd @ 14.65 ps	ia	. <u></u> J	
The u	ındersi	gned	authority, or			tates that he			o make th	·	rt and that he ha		edge of	
				id report is true				a	day of	May	1	2	o <u>//_</u> .	
	_		Witness (if	any)		·-·		Ja	nicl	Kip	ley	REC	EIVED-	
			For Commi	8sion			_			Chec	ked by	MAY-	<del>1 2 201</del> 1	

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 Clift A 3-33
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: 5/9/11  Signature: Janice Ripley  Title: Production Assistant
1100.

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.