APR 1 1 2013

## KANSAS CORPORATION COMMISSION CONSERVATION DIVISION POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST WICHTA KS (See Instructions on Payerse Side)

Type Test	:	•			•	(See Instruc	tions on He	verse Sia	9)				
Open Flow					Test Date			API	No. 15				
Deliverabilty /				1-9-13	Test Date: -9-/3			15-071-20107 <b>- 0000</b>					
Company Horseshoe Operating, Inc.						Lease Adams			,	1	Well Number		
County Greeley		Location C SW		>n	Section 2		TWP 17S		RNG (E/W) 40W		000000000000000000000000000000000000000	Acres Attributed 640	
Field				Reservoi	<u> </u>			Gas Gathering Connection			-		
Bradshaw				Chase	Chase				Midstrea	m			
Completion Date 6/27/87				Plug Back Total Depth 3034			th		Packer S None	Set at			
Casing Si 4.5	ize		Weight 10.5		internal Diameter 4.04		Set at 3055		Perforations 2948		To 2989	2989	
Tubing Si 2.375	zθ	Weight 4.7			Internal Diamete 1.995		Set at 2958		Perforations		То		
Type Completion (Describe) Single Gas				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes					
-		(Anr	nulus / Tubing	)	% C	arbon Diox	ide		% Nitrog	en	Gas G	ravity - C	3 <sub>0</sub>
Annulus	3					· · · · · · · · · · · · · · · · · · ·							
Vertical Depth(H) 3052					Pressure Taps					3		rover) Size	
Pressure	Buildu										13 at 8:4		
Well on L	ine:	ļ	Started	2	0 at		(AM) (PM)	Taken			at		
						OBSERVE	ED SURFACI	E DATA	<u>,                                     </u>		Duration of Shut	-in_ <i>_2</i>	4 Hours
Dynamic Si		ifice Circle one: Meter iize Prover Press		Pressure Differential	Flowing Temperature		emperature   Wellnead P		Wellhe	Fubing ad Pressure r (P <sub>1</sub> ) or (P <sub>2</sub> )	Duration (Hours)	Liquid Produced (Вапеls)	
Property	(Inch	es)	psig (Pm)	Inches H <sub>2</sub> 0	t	t	psig	psia	psig	psia			
Shut-In	.75	0					·	81			24		
Flow													
			<del></del>			FLOW ST	REAM ATTR	IBUTES			•		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mctd		Circle one: Meter or Prover Pressure psia		Press Extension	Extension Fact		Flowing Ternperature Factor F <sub>n</sub>		iation · ctor : pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
								<u> </u>		*			
45 \Q			/D \Z		,		<b>/ERABILITY</b> % (F	) CALCUL <sup>2</sup> c - 14.4) +			(P <sub>a</sub> )	<sup>2</sup> = 0.20	07
(P <sub>c</sub> ) <sup>2</sup> =		<u> </u>	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>a</sub> =		T -				, d/		
(P <sub>c</sub> )²- (P <sub>a</sub> )²		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> - P <sub>a</sub> <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> LOG of formula		Backpressure Curv Slope = "n"		n x LOG				en Flow verability
or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		l l		2. $P_c^2 - P_d^2$ livided by: $P_c^2 - P_w$	2 P 2 P 2 1, or 2, and divide		P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> Assig				Arraiog	Equals R x Antilog (Mcfd)	
						<u>.</u>							
					<u></u>		<u> </u>						
Open Flo	w	Mcfd @ 14.65 psia					Deliverab	Deliverability			Mcfd @ 14.65 psia		
		-		behalf of the				2	o make the day of	april	and that he ha	s knowl	edge of 20 <u>/3</u>
			Witness (if	any)			_	<i>V</i>		/ For Ci	ompany		·
			For Comm	ssion			_			Chec	ked by		

and the second of the second o
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 Horse-shoe 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 Adams # I 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: 4-3-13
Signature: <u>Anice Ripley</u> Title: <u>Production</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.