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

Type Tes	t;				(	See Instruc	tions on Rev	verse Side	9)					
Open Flow					T1 D-1				ADI	1 No. 45				
Deliverabilty					Jest Date: 2-12				API No. 15 071-20172- 00- 00					
Company							Lease			·		Well Nu	mber	
Horseshoe Operating, Inc.				Ross Section TWP				RNG (EW) Acres Attributed				has all been all and		
County Greeley			Location C SW/4 NW/4		5		18S			/¥¥)		640	Minouteo	
Field Bradsha	w				Reservoir Winfield				Gas Gathering Co DCP Midstre					
Completion 7-5-79	on Da	te			Plug Back Total Depti 2965'		th			Set at				
Casing Size 4-1/2"			Weigh 10.5	<b>t</b>	Internal Diameter 4.052		Set at 3003'		Perforations 2909'		то 2925'			
Tubing Size 2-3/8"			Weight 4.7		Internal Diameter 1.995		Set at <b>2883'</b>		Perforations		То			
Type Completion (Describe) Single - Gas					Type Fluid Production Water				Pump Unit or Traveling Plunger? (a) / No					
Producing Thru (Annulus / Tubing)				% (	% Carbon Dioxide				% Nitrogen Gas Gravity - G					
Annulus														
Vertical D	)epth(l	H)				Pres	sure Taps				(Meter I	Run) (P	rover) Size	
Danasuus	D. da.		Shut in	2-1	12.	8:50	(A) (D) (	Takan	3.	-2 00	12 at 8:3	55	AN) (PM)	
Pressure		•												
Well on L	ine:		Started	2	D at		(AM) (PM)	laken		20	at		AM) (PM)	
_						OBSERVE	D SURFACE	DATA	·		Duration of Shut-	in_a	4 Hours	
Static / Orifi Dynamic Siz Property (inch		Meter Prover Pressu		Pressure Differential	Flowing	Well Head	erature (P <sub>w</sub> ) or (P <sub>t</sub> ) or			Tubing ad Pressure	Duration	Liquid Produced (Barrels)		
				re in	Temperature t	Temperature t			(P <sub>*</sub> ) •	r (P <sub>1</sub> ) or (P <sub>6</sub> )	(Hours)			
Shut-In	.5	<u> </u>	psig (Pm)	Inches H <sub>2</sub> 0	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		65	psla	psig	psia	24	╁		
<del></del>	ر.	<i>U</i>					00			+	<u> </u>	<del> </del>		
Flow						51 004 635		DUTEO				J		
			Circle one:		<del>`</del>	FLOW STH	EAM ATTRI	BOIES					Flowing	
Coeffieci	Plate Coeffiecient		Meter or	Press Extension	Grav Fac	·	emperature	· I F8C		Metered Flow R	GOR (Cubic Fe	et/	Fluid	
	(F <sub>a</sub> ) (F <sub>p</sub> ) Motd		ver Pressure psia	√ P <sub>m</sub> xh	F,	Factor F <sub>rt</sub>		F <sub>pv</sub>		(Mcfd)	Barret)		Gravity G <sub>m</sub>	
								1						
					(ODEN E)	0W0 (DE) 0/	ERABILITY)	CALCUI	ATIONS				l	
(P <sub>e</sub> )² =		•	(P_)2 =	•	P <sub>d</sub> =			- 14.4) +		•	(P <sub>a</sub> ) <sup>*</sup> (P <sub>d</sub> )	² = 0.2 ² =	07	
		<del>-</del>		Choose formula 1 or 2:			T	sure Curve	<u> </u>		, v. d/		en Flow	
(P <sub>a</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or		(F	P <sub>e</sub> ) <sup>2</sup> - (P <sub>u</sub> ) <sup>2</sup>	1. P <sub>2</sub> - P <sub>2</sub> 2	LOG of formula		Šiope = "n"		nx	LOG	Antilog	Deliverability		
(P <sub>e</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> #wided by: P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	1. or 2. and divide by:	P. 2 - P. 2	Assigned Standard Slope		[ ]			Equals R x Antilog (Mcfd)		
				, e #	- <del> </del>		<del></del>	<del></del>	<del></del>					
				<del>-</del> · ·			<del> </del>					<del>                                     </del>		
Open Flow Mcfd @ 14.6			5 psia Deliverability			like	Mcfd ② 14.65 psia							
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	<del></del>	•	Witness (if	any)		CEIVED	-	Jul	ww	For Co	hopiny			
		<del></del>	For Commi	ssion	APF	<del>1 8 2</del> 0	12 _			Check	ed by			

**KCC WICHITA** 

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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 Ross #2  gas well on the grounds that said well:
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: 4/16/12
Signature:

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.