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

Type Tes	st:					(See Instruc	tions on Re	verse Sid	e)					
Open Flow					Total Body									
Deliverabilty				Test Date: 2-2-12				AF 07	'l No. 15 🧗 🤼 <b>1-20169 -</b> 🗢					
Compan					00,		Lease	<del></del>				Well N	umber	
Horseshoe Operating, Inc.				Ross						1				
County Greeley			Location C SW SW		Section 32		TWP 17S		RNG (E/W) 39W			Acres Attributed 640		
Field Wildcat				Reservoir L. Winfield				Gas Gathering Co DCP Midstre						
Completi 6-13-79		te	Plug Back To 2957',				th		Packer	Set at			<del>.~</del>	
Casing Size 4-1/2"			Weight 10.5		Internal Diameter 4.00		Set at 3009'		Perforations 2925'		To 2960'	To 2960'		
Tubing Size			Weight		Internal Diameter		Set at		Perforations		То			
2-3/8" 4.7				1.995 2872'			<u>?</u> '							
Type Completion (Describe) Single - Gas					Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Pump unit					
Producing Thru (Annulus / Tubing)				% (	% Carbon Dioxide				% Nitrogen .			Gas Gravity - G <sub>g</sub>		
Annulu: Vertical [		<del>-1</del> )			-	Proc	sure Taps		• "		(Marior	Pun\ (E	Prover) Size	
707.1.50.	op(	"				1103	oute tapa				(INIBINI)	nuil) (r	10Ver) 512e	
Pressure	Buildu	ıp:	Shut in	2-1 2	0/2 at_	8:45	(AM) (PM)	Taken	2-	2 20/	12 at 8:4	15	(AM) (PM)	
Well on L	.ine:	;	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
	1					OBSERVE	D SURFACE				Duration of Shut	-in	34 Hours	
Static / Orifice			Circle one: Meter	Pressure Differential	Flowing Well Head		Wollhood Proceure		Tubing Welfhead Pressure		Duration	Liqu	Liquid Produced	
•		hes) Prover Pressuites) psig (Pm)		in Inches H <sub>2</sub> 0	t t	Temperature t	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>a</sub> )		(Hours)		(Barrels)	
Shut-In	nut-In .37			2			85	psia	psig	psia	24			
Flow														
	·			<del></del> -		FLOW STR	EAM ATTRI	BUTES	±					
Plate		Circle one:		Press	Grou	- Gravity		Flowing				···	Flowing	
Coeffiecient		Meter or Prover Pressure		Extension	Fact	or T	emperature Devi		riation Metered Flow actor R		GOR (Cubic Fe		Fluid	
(F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd			psia	✓ P <sub>m</sub> xh	√ P <sub>m</sub> xh F <sub>g</sub>		F <sub>ri</sub>		ρv	(Mcfd)	Barrel	) 	Gravity G <sub>m</sub>	
(P <sub>s</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	<u></u> :	OPEN FLO	) (DELIVE 	ERABILITY) 6 (P <sub>e</sub>	- 14.4) +		;	(P <sub>a</sub> ) (P <sub>a</sub> )	1 <sup>2</sup> = 0.2	207	
(P <sub>e</sub> ) <sup>2</sup> - (P <sub>e</sub> ) <sup>2</sup>		/0		1. P. P. P. Z			Backpressure Curv		ГЭ		c		pen Flow	
or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		2. P2-P2	2. P <sup>2</sup> -P <sup>2</sup> 1. or 2.		Slope = or Assigr Standard		nx	rog	Antilog	Deliverability Equals R x Antilog (Mcfd)		
		_												
Open Flow Mcfd @ 14.65 p			55 psia	psia Deliverability			Mcfd @ 14.65 psia							
		anod.	authority on			nton that ha		<del></del>						
				d report is true				1/2	make th	e apove repor	t and that he ha		ledge of	
•				•		RECEIV			mic	e Rin	les		<u>, , , , , , , , , , , , , , , , , , , </u>	
			Witness (if	any)		APR 1 8	_	0	- ,,,,,,	F Co	mpauly	<del></del> -		
			For Commis	sion		***************************************	-01W			Check	ed by			

KCC WICHITA

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r.
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 #1
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: 4/16/12
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.