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

Type Test:	(See Ins	structions on Rev	erse Side	)				
Open Flow								
Deliverabilty	Test Date: 3-9-11			API No. 15 15-071-20728 - (7)(7)(7)				
Company Horseshoe Operating, Inc.	<u> </u>	Lease Edmun				<u> </u>	Well Number	
County Location	Section	TWP	-	RNG (E	/W/)		Acres Attributed	
Greeley C SE	17	198		40W	,		640	
Field Bradshaw	Reservoir L. Winfield				hering Conn Lidatrear			
Completion Date 8/31/00	Plug Back Total 2926	Depth		Packer S None	Set at		<u></u>	
Casing Size Weight 4.5 10.5	Internal Diameter 4.052	r Set a 2974		Perfo 286	rations 6	то <b>2871</b>		
Tubing Size Weight 2.375 4.7	Internal Diameter Set at 1.995 2974			Perfo	rations	То	То	
Type Completion (Describe) Single Gas	Type Fluid Produ Water			Pump Ur <b>Yes</b>	it or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing)	% Carbon D	Dioxide		% Nitrog	en	Gas Gr	avity - G	
Annulus							· y	
Vertical Depth(H)	F	Pressure Taps				(Meter f	Run) (Prover) Size	
2869 Pressure Buildup: Shut in 3-8 20	11 at 9:00	(Air) (This	<del></del>	3-9	,	// at 9:0	0	
Well on Line: Started20		-						
		RVED SURFACE		<del></del> _		<u> </u>	2//	
Static / Orifice Circle one: Pressure	····	Cash		1	ubing	Duration of Shut-	in <u>97</u> Hours	
Dynamic Size Meter Differential T	Flowing Well He emperature Tempera			Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Ouration (Hours)	Liquid Produced (Barrels)	
Property (Inches) psig (Pm) Inches H <sub>2</sub> 0	t t	psig	psla	psig	psia	(rictis)	(Daries)	
Shut-In			90			24.		
Flow			,			7		
	FLOW:	STREAM ATTRI	BUTES	<u>!</u>			<u> </u>	
Plate Circle one: Press		Flowing	T				Flowing	
Coefficient Meter or Extension	Gravity Factor	Temperature		Factor Metered Flow Fig. (Mcfd)		(Cubic Fed	et/ Fluid	
(F <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure  Mcfd psla  P <sub>m</sub> x h	F,	Factor F <sub>11</sub>	F,			Barrel)	Gravity G <sub>n</sub>	
						· <u>''                                  </u>		
(	OPEN FLOW) (DE	LIVERABILITY)	CALCUL	ATIONS		(P 13	= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =: (P <sub>w</sub> ) <sup>2</sup> =:	P <sub>d</sub> =	% (P,	- 14.4) +	14.4 =	:	(P <sub>a</sub> ) <sup>2</sup>		
$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_w)^2$ Choose formula 1 or 2: 1. $P_c^2 - P_a^2$	rog at		sure Curve		ר ק		Open Flow	
or	formula 1. or 2.	Siope	9 <b>= "∩"</b> or	пхІ	.og	Antilog	Deliverability	
$(P_{o})^{2} - (P_{d})^{2}$ $= 2 \cdot P_{o}^{2} - P_{o}^{2}$ at violat by: $P_{o}^{2} - P_{o}^{2}$	and divide p2.p:		igned rd Slope				Equals R x Antilog (Mcfd)	
				-				
Open Flow Mcfd @ 14.65	i psia	Delive rabil	ity			Mcfd @ 14.65 psia	a	
The undersigned authority, on behalf of the Co	ompany, states the	at he is duly au	horized to	make th	e above repo	rt and that he ha	s knowledge of	
he facts stated therein, and that said report is true a			8	day of	June		, 20 <u>//</u>	
		_	Oa	nicl	3 Ru	sley		
Witness (if any)								
For Commission					Fa# 0	ked by	RECEIVED	

KCC WICHITA

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 Edmun 3-17
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: 6-8-11
Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</u>

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, welihead 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.