KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		•	(See Instruc	tions on Rev	erse Side)			*.	
Open Flo	ow		Test Date	a:			API	No, 15			
Delivera	bilty		Test Date	14				-20634-000	Ø		
Company Horseshoe O	perating, Inc.			-	Lease Hazlett				. 2	Well Number	
County Location Hamilton C NE/4		Section 22		TWP 21S		RNG (E/W) 41W			Acres Attributed 640		
Field Bradshaw			Reservoir Winfield				Gas Gathering Connection DCP Midstream				
Completion Da 4-29-97	ite		Plug Back 2834'	k Total Dept	th		Packer S	et at		-	
Casing Size 4-1/2"	Weight 11.6		Internal Diameter 4.000		Set at 2834'		Perforations 2817'		To 2823'	то 2823'	
Tubing Size 2-3/8—	Weight .		Internal Diameter 2.000		Set at 2825'		Perforations		То	То	
Type Completion (Describe) Single - Gas			Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Pump - Rod				
Producing Thru	(Annulus / Tubi	ng) .	% C	arbon Dioxi	ide		% Nitrog	=	Gas Gr	avity - G _o	
Annulus Vertical Depth(H)				sure Taps				•	Run) (Prover) Size	
Procure Builds	up: Shut In	4-2	<u> 14</u> at	Flan	GE (AM) (PM)	Taken	4-	3 20.	2" <u> 4 9 7</u>	OO (AN) (PM)	
Well on Line:		20	,		_					_	
		 		OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours	
Static / Orifice Meter Differ Dynamic Size Prover Pressure in		Differential sure in	Flowing Well I Temperature Tempe		Casing Wellhead Pressure (P _x) or (P ₁) or (P ₂)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-in 6	psig (Pm	y Inches H ₂ O			psig 55	psia	psig	psia	24	·	
Flow											
<u> </u>			_	FLOW STR	REAM ATTRI	BUTES			·		
Plate Coeffiecient (F _b) (F _p) Mcfd	Gircle one: Meter or Prover Pressure psla	Press Extension √ P _m x h	Grav Fact F _g	or 1	Flowing Temperature Factor F _{ii}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Carosaibe	
			OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.)	²= 0.207	
(P _c) ² =	: (P _w)²		P _d =		% <u>(P</u>	- 14.4) +	14.4 =	;	(P _q)		
(P _c) ² - (P _d) ² or (P _c) ² - (P _d) ²	(P _o) ² - (P _w) ² (P _o) ² - (P _w) ² 1. P _o ² - P _o ² 2. P _o ² - P _o ² divided by: P _o ² - P _o ²		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n"		n x Log		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow		Mcfd @ 14.6	5 psia		Deliverabi	lity			Mcfd @ 14.65 ps	 a	
The under	signed authority,	on behalf of the C	Company, s	tates that h	e is duly au	thorized to	o make th	e above repo	rt and that he ha	as knowledge of	
the facts stated	therein, and that	said report is true	and correct		this the		day of	Jun	D . 1	,20 <u>/4</u> .	
	Witness	a (if any)			2 0 2014		Ja	MCC For C	Mple Company	4	
**************************************	For Con	nmission			ECEIVE		-	Ched	cked by	-	
				171		_					

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e.
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 Hazlett #2
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.
olan do necessary to compositio and claim for exemption non testing.
Date: 6-/6-/4
Date: W 7 V 7 7
Signature: Janice Ripley
Title: Production 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.

J. 47