KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	n Flow			(See Instruct	ions on Reve	erse Side))				
Open Flow Deliverabilty				Test Date:				API No. 15 15-075-206670000				
Company Horsesho	oe Operating	<i>}{-</i>		Lease Muncie					Well Number			
County Location Hamilton 1320 FWL				Section 8		TWP 23S		RNG (E/W)		Acres Attributed		
Field Bradshaw				Reservoir		Gas Gathe		ering Connec	ction			
Completion Date 5-21-1998					k Total Dept	h		Packer S				
Casing Size	g Size Weight 10.5			Internal Diameter 4.090		Set at 2615		Perforations 2565		то 2581		
Tubing Size	Size Weight 4.7			Internal Diameter		Set at 2590		Perforations		То		
Type Completion (Describe) Single gas					d Production			Pump Unit or Traveling Plunger? Yes / No			/ No	
	Producing Thru (Annulus / Tubing)				arbon Dioxid	е		% Nitrogen		Gas Gravity - G _g		
Vertical Dep	epth(H)				Press Flang	sure Taps	·			(Meter	Run) (Prover) Size	
	Buildup: Shut in	9.	-/O 20	14 _{at}	17100		Taken	9-11	20 &	14 at 2:0	O (AM) (FM)	
Well on Line	ne: Started		20	at		(AM) (PM) 1	Taken		20 _	at	(AM) (PM)	
					OBSERVE	D SURFACE		,		Ouration of Shut	-in 24 Hours	
Static / Dynamic Property	Orifice M Size Prover	Circle one Pressure Meter Differential over Pressure In psig (Pm) Inches H ₂ 0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	750		2				65	pang	рык	24		
Flow												
Plate	Circle one		- Progr	T		Flowing					Flowing	
Coeffiecien (F _b) (F _p) Mcfd		sure	Press extension P _m x h	Gravity Factor F _g		Temperature F		viation Metered Flow factor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel	eet/ Fluid	
				(ODEN EL	2160 (DEL 04	EDADU ITW	CALCUI	ATIONS				
(P _c) ² =	. (D _w) ² =	:_	P _d =		ERABILITY)	- 14.4) +		<u>.</u> :	(P _a (P _d) ² = 0.207) ² =	
(P _c) ² - (P _a) or (P _c) ² - (P _d)) ² 1. 2.	formula 1 or 2- $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ by $P_c^2 - P_d^2$	LOG of formula 1 or 2 and divide by	P _c ² -P _w ²			пхЦ	ов	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	-											
Open Flow	en Flow Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia				
	ndersigned authorited therein, and the					-	1	o make th	e above repor	t and that he h	as knowledge of , 20 / / .	
	w	tness (if any)			-		Qa	mic	- · · · · · · · · · · · · · · · · · · ·	mpany /	1) 10 10 10 10 10 10 10 10 10 10 10 10 10	
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I declare under penalty of perjury under the laws of the state of Kansas that I ar	n authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operat	ting, Inc.
and that the foregoing pressure information and statements contained on this applic	
correct to the best of my knowledge and belief based upon available production summ	aries 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 Muncie #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 undergoi	ng 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 document	s deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.	
Date: 10-1-14	
Signature: Ripler	
Signature:	4
Title: Production	ssistant
Title	

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 jesults.

