KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(See Instruc	tions on Re	verse Side	9)					
Open Flow						Test Date: API No. 15								
De	eliveral	bilty	-		1-6-18	2		071-20225-00-00						
Company Horseshoe Operating, Inc.					·	Lease Baughman "			N " 1			Well Number		
County Local Greeley C NE							TWP 19S		RNG (E/W) 39W			Acres Attributed 640		
Field Bradshaw				Reservoi			Gas Gathering C DCP Midstr		. -					
Completion Date 5/6/81				-	Plug Bac 2899	ck Total Dep	th .		Packer					
Casing Size 4.5			Welgh 9.5	nt .	Internal Diameter		Set at 2919		Perforations		2824	 }		
Tubing Size 2.375			Weigh	it	Internal Dia 2.000		liameter Set at 2845		Perforations		То			
				Type Flui	id Production	n	Pump Unit or Traveli			ng Plunger? Yes / No				
		(Anı	rulus / Tubin	g) .	% (Carbon Dioxi	de		% Nitrog	je n	Gas G	ravity -	G,	
Vertical Depth(H)					•	Pressure Taps					(Meter	Run) (F	Prover) Size	
Pressure	Buildu	ıp:	Shut in	/-5 ₂	0/2 at_	8:00	(AM) (PM)	Taken	1-	20,	12 at 8:0	00	(AM) (PM)	
Well on L	ine:	;	Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
			Citcle one:			OBSERVE	D SURFAC		т :		Duration of Shut	-In	34 Hours	
Static / Dynamic Property	ynamic Siz		Meter Prover Pressi	Pressure Differential In Inches H _o 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure $(P_w) \propto (P_t) \propto (P_e)$ psig psia		Tubing Wellhead Pressure (P _u) or (P ₁) or (P _e) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	6	25					pang	75	1	pan	24			
Flow								•	l					
				,		FLOW STR	EAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F	tor ¹	Flowing Temperature Factor F ₁₁		riation actor F _{pv}	Metered Flow Fl (Mctd)	GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _a	
			 -											
(P _c) ² =		_:	(P)² =	;	(OPEN FL	OW) (DELIV) CALCUL ² c = 14.4) +		 :) ² = 0.5) ² =	207	
(P _c) ² - (P _a) ² or (P _c) ² - (P _a) ²		(P _c) ² -(P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide	P.2. P.2	Backpressure C Slope = "n"		n x LOG		Antilog D		pen Flow Ilverability s R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 psia							Deliverability Mcfd @ 14.65 psia							
				n behalf of the				26_	day of	marc	nt and that he h	·	20 12.	
			Witness (f any)		 	-	\rightarrow	enic		ally company		CEIVED	
			For Comm	ission			-			Chec	ked by	MAN	2 8 2012	

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 Baughman "W"
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: 3-26-12
Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</u>
, <i>'</i>

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.