KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(See Instruct	tions on Rev	erse Side)				
Open Flow					Test Date	a.			ΔPI	No. 15	•		
Deliverabilty			1-3-13				071-20225-00-00						
Compan		Орє	erating, In	C.			Lease Baughr	nan "W	hi.		1	Well Number	
County Greeley			Location C NE/4			Section 31		TWP 19S		/W)	Acres Attributed 640		
Field Bradshaw					Reservoir Winfield				Gas Gathering C DCP Midstr				
Completion Date 5/6/81		te			Plug Bac 2899	Plug Back Total Depth		Packer Set		Set at		, <u></u>	
Casing Size 4.5			Welgi 9.5	nt	Internal Diameter		Set at 2919		Perforations 28/7		2824		
Tubing Size 2.375			Weigh 4.7	nt	Internal Diameter 2.000		Set at 2845		Perforations		То		
Type Cor Single		n (D	escribe)		Type Flui	d Production	1		Pump U	nit or Traveling	Plunger? Yes	/ No	
Producin	g Thru	(Ani	nulus / Tubin	g)	% (arbon Dioxi	de		% Nitrog	gen	Gas Gr	avity - G _g	
Vertical C	Pepth(1)	,			Pres	sure Taps				(Meter I	Run) (Prover) Size	
Pressure	Buildu	ıp:	Shut in	1-2	20/3 at_	8:00	(AM) (PM)	Taken	1-0	3	13 _{at} 8.0	(AM) (PM)	
Well on L	ine:		Started	2	20 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in <u>24</u> Hours	
Static / Dynamic Property	Orifi Siz (inch	:e	Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential In Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead F (P _w) or (P _t	Pressure	Wellhe	Tubing bad Pressure or (P _t) or (P _c)	Ouration (Hours)	Liquid Produced (Barrels)	
Shut-In	.66	35		2			psig	70	parg	psæ	24		
Flow													
				·		FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Gravity Factor F _g		Flowing emperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flow Pt , (Mcfd)	v GOR · (Cubic Fe Barrel)	Flowing Fluid Gravity G_m	
					•	OW) (DELIV	ERABILITY)					² = 0.20 7	
(P _c) ² =		_:	(P _w) ² =	Choose formula 1 or 2	P _d =	⁹		<u>- 14.4) +</u>	T	<u> </u>	(P _a)	° =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² · P _c ² 2. P _c ² - P _c ² of vided by: P _c ² - P _c	LOG of formula 1. or 2. and divide P2.P2		Backpressure Curve Slope = "n" 		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				, ,									
											_		
Open Flow				Mcfd @ 14	65 psia	5 psia		Deliverability		Mcfd @ 14.65 psia			
		_	•	n behalf of the		•	•	thorized t	o make the	he above repo	nt and that he ha ley	s knowledge of, 20 <u>/3</u> .	
			Witness (f	any)		_	RECEIVED	0		\ por	Company //		
			For Comm	ssion		KANSAS CO	RPORATION	COMMISS	ON	Che	cked by		

APR 1 1 2013

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
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: 4-3-/3
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.