KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:			-	. (See Instruc	tions on Reve	rse Side,)				
op	en Flov	٧			Test Date	3i .			API	No. 15			
De	liverabi	lty			1/26	<u> </u>			15-	071-20727	<u>'-6000</u>		
Company Horses)pe	erating, Inc	.	,		Lease Harris				A-2	Well Nur	nber
County Greeley			Locati C NW	on	Section 15		TWP 20S		RNG (E/W) 40W		Acres Attributed 640		
Field Bradshaw						Reservoir Winfield				Gas Gathering Connection DCP Midstream			
Completic 8/31/00		•			Plug Bac 2844	k Total Dep	oth	·	Packer S None	Set at			
Casing S 4.5	ize		Weigh 10.5	t	Internal Diamete 4.052		Set at 2860		Perforations 2811		To 2816		
Tubing Si 2.375	Tubing Size 2.375		Weigh 4.7	t	Internal Diam 1.995		Set at 2839		Perforations		То		
Type Con Single ((De	escribe)		Type Flui Water	Type Fluid Production Water				Pump Unit or Traveling Plun Yes		nger? Yes / No	
Producing Annulus	-	(Anr	ulus / Tubin))	% C	arbon Diox	ide	· ·	% Nitrog	en	Gas Gra	avity - G	,
Vertical D							ssure Taps						ver) Size
Pressure	Buildup); {	Shut in	125	20 // at /	2:10	(AM)(PM) T	aken	7/24	20	// at /2:/	10 (MY(PM)
Well on L	ine:		Started	2	20 at		(AM) (PM) T	aken		20	at	(/	M) (PM)
·						OBSERVE	D SURFACE	DATA			Duration of Shut-	n 2	4 Hours
Static / Dynamic Property	Orific Size (Inche		Gircle ene: Mater Prover Pressu psig (Pm)	Pressure Differential re in Inches H _a 0	Flowing Temperature t	Well Head Temperature t	Wellhead Pressure (P_w) or $(P_1) \propto (P_2)$		Tubing Wellhead Pressure (P _w) or (P _t) or (P _d)		Duration Liq (Hours)		Produced arrels)
Shut-In			porg (111)	mores vigo			psig	53./	psig	psia	24		
Flow					<u></u>	<u> </u>							
						FLOW STE	REAM ATTRIE	UTES				F	
(F _b) (F	Plate Coefficient (F _b) (F _p) Mcfd		Gircle one: Meter or ver Pressure psla	Press Extension P _m xh	Grav Fact F _s	tor	Flowing Temperature Factor F _{II}		ation ctor	Metered Flov R (Mcfd)	(Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
					}								
						OW) (DELIV	/ERABILITY)					² = 0.20	77
(P _c) ² =		<u>:</u>	(P _w)²=	Choose formula 1 or 2	P,=			- 14.4) +		 :	(P _a):	<u>'=</u>	
(P _a) ² - (F or (P _a) ² - (F		(P	_e)²- (P_)²	1. P. 2 - P. 2 2. P. 2 - P. 2 of Victor of the Control of the Cont	LOG of formula 1, or 2, and divide	b.2- b.8	Backpress Slope 	= "n" r gned	l n x	LOG	Antilog	Delly Equals	en Flow verability R x Antilog Vocfd)
•						<u>-</u>							
Open Flow			Mcfd @ 14.65 psia				Deliverabili	ity		Mcfd @ 14.85 psia			
		•		behalf of the	• •			4		he above repo	ort and that he ha	s knowle	edge of o <u>//</u> .
			Witness (ii	any)				1		For	Company F	RECE	IVED
			For Comm	ssion				-		Che	cked by	•••	

AUG 1 1 2011

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to requescempt 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 a correct to the best of my knowledge and belief based upon available production summaries and lease record equipment installation and/or upon type of completion or upon use being made of the gas well herein named hereby request a one-year exemption from open flow testing for the Harris A-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 mct/D	and rds
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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 Commi	issior
staff as necessary to corroborate this claim for exemption from testing.	
Date: 8/3/11	
Signature: <u>Quice Ripley</u> Title: <u>Production Assistant</u>	_
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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.