KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

lype lest	i:					(See instruc	cuons on He	everse Side	"				
= :	en Flo liverab					Test Date 3-17-	77	· .	•		1 No. 15 1-20151-00-	00		
Company Horsesh		oera	ting, Inc.			<u>~</u>		Lease Gibb	,		· -	1	Well No	umber
County Greeley			Locat NW NV	-				TWP 17S		RNG (E/W) 40W		Acres Attributed		Attributed
Field Bradshaw			Reservoir Winfield					thering Conn Midstream						
Completic	on Dat	e		··· - · · · · · · · · · · · · · · · · ·		Plug Bac 2990	k Total Dep	oth		Packer	Set at			·
Casing Size 4.5			Weigh 9.6	it	Internal Diame 4			ter Set at 3000		Perforations 2940-2949		то 2956-2959		
Tubing Size We 2-3/8 4.7				it		Internal Diameter 1.995		Set at 2920		Perforations		То		
Type Completion (Describe) Single						d Production	<u></u>	<u> </u>		Pump Unit or Traveling P		Plunger? Yes / No		
Producing Thru (Annulus / Tubing)				_		arbon Diox	de		% Nitrogen		Gas Gravity - G			
Tubing Vertical D	epth(F	1)						ssure Taps				(Meter	Run) (P	rover) Size
Pressure	Buildu	p:	Shut in	3-16	_ 20	at/	Flan 7,00		Taken	3-	17 20	// at //;	00 ((AM) (PM)
Well on L	ine:											at	•	(AM) (PM)
							OBSERVE	ED SURFAC	E DATA			Duration of Shu	t-in	24 Hours
Static / Dynamic Property	Orifi Siz (Inch	0	Circle one: Meter Prover Pressi psig (Pm)	Pressur Different in Inches F	ial .	Flowing Temperature t	Well Head Temperature t	Wellhead (P,) or (sing Pressure P _e) or (P _e) psia .	Weilhe	Tubing ead Pressure (P _c) or (P _c)	Duration (Hours)		id Produced Barrels)
Shut-In					2			psig	76.1	psig	psia	24		
Flow										<u> </u>				
							FLOW STI	REAM ATTE	RIBUTES					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		Extension	Press Extension		rity or	Flowing Temperature Factor F _{II}	ature Factor		Metered Flor R (Mcfd)	w GOF (Cubic F Вале	eet/	Flowing Fluid Gravity G _m
		•				(OPEN EL	OWA (DELIA	/ERABILITY	n CALCUL	PIONS	<u>.</u>			
(P ₆) ² =		_:_	(P _w) ² =		:	P _d =			P _c - 14.4) +		:) ² = 0.2 ₃) ² =	.07
(P _e) ² - (F	_ i	(F	' _o)² - (P _w)²	1. Pa²-Pa 2. Pa²-Pa divided by: Pa²-	2	EOG of formula 1. or 2, and divide by:	P.2. P.2	Slo As	essure Curve pe = "n" - or ssigned lard Slope	пх	rog	Antilog	. Det Equals	pen Flow iverability is R x Antilog (Mcfd)
									····		· · · · · -			
Open Flor	l w			Mcfd @	14.6	5 psia		Deliverat	oility	Д		Mcfd @ 14.65 p	sia	
The t	undersi		authority, o	n behalf of	he (Company, s		ne is duly a	uthorized to	make the	ne above repo	ort and that he h		20
			Witness (i					-	7		or (Sompany ()	JUN 1	0 2011
			For Comm	lselon				_			Che	K(CW	ICHITA

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 Gibb #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 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: 6-8-11
Signature:

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.