KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				((See Instruc	ctions on Re	everse Side)					
Open F	low			Test Date	e· _			AP! N	No. 15				
Delivera	abilty			5 ⁻³ 3	-13				71-20600	- 0000			
Company Horseshoe	Оре	erating, Ir	nc.			Lease Foster	•			2-7	Well Nu	mber	
County Greeley				Section 7		TWP 20S			V) .		Acres Attributed 640		
Field Bradshaw				Reservoir U. Winfield				ering Conne dstream	etion . 3				
Completion Date 9/11/93			Plug Bac 2885	k Total Dep	oth	Packer Set at None		et at					
Casing Size 4.5				Internal i 4.052	Diameter		Set at 2937		Perforations 2818		то 2826		
Tubing Size Weight 2.375 4.7			Internal (1.995	Diameter		Set at 2840		Perforations		То			
Type Completi Si ngle Gas	on (D	escribe)		Type Flui Water	d Productio	ρη	Pump Unit or Traveling Yes			Plunger? Yes / No			
Producing Thru (Annulus / Tubing) Annulus				% C	Carbon Diox	ide	% Nitrogen			Gas Gravity - G			
Vertical Depth	(H)				Pres	ssure Taps				(Meter	Run) (Pr	over) Size	
Pressure Build	lup:	Shut in	5-21 :	10/3 _{at} _	9:58	(PM)	Taken	5-20	2 20/	3 at 9.	58 ₍	AM) (PM)	
Well on Line:		Started	2	0 at		(AM) (PM)	Taken	20		at	(_	
					OBSERVE	D SURFAC		1		Duration of Shut	-in <u>Ø</u>	4_Hour	
Dynamic Si	fice ize :hes)	Circle one. Meter Prover Press	Differential sure in	Flowing Temperature t	Well Head Temperature	Weithead	sing Pressure -) or (P _c)	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)		
	25	psig (Pm) inches H ₂ 0			psig	psia 43.7	pskg	psia	24			
Flow					-		15.7						
<u></u> l.					FLOW ST	REAM ATTR	RIBUTES	·			<u> </u>		
Plate Coefficient (F _b) (F _p) Mcfd		Glicle one: Meter or ver Pressure psia	Press Extension P _m x h	Grav Fact F	tor	Flowing Temperature Factor F _{t1}	Fa	Deviation M Factor F _{av}		GOR (Cubic Fo		Flowing Fluid Gravity G _m	
			-			-							
P _c) ² =	•	(P _w) ² :	= :	(OPEN FLO		/ERABILITY % (/) CALCUL P _a - 14.4) +		•	(P _a) (P _d)) ² = 0.20	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P	c)2-(P _w)2	Choose formula 1 or 2 1. P _c ² -P _c ² 2. P _c ² -P _c ² divided by: P _c ² -P _c ²	LOG of formula 1. or 2.	P.2-P.2	Backpre Slo	essure Curve ppe = "n" - or ssigned tand Slope	[og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			14.11.0	<u> </u>									
pen Flow			Mcfd @ 14.	65 psia		Deliveral	oility			Mcfd @ 14.65 ps	ia		
		•	on behalf of the said report is true			-	10	o make the	above repor	rt and that he ha		edge of $\frac{1}{20}$	
	-•		,		2			•	00.	il.	,		
		Witness	(if any)			,	Ja	mill		Ompany T	KC	C WIG	
		For Com	mission						Chec	ked by	JL	IN 26	
												REÇEI	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques 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 Foster 2-7	
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 Commissistaff as necessary to corroborate this claim for exemption from testing.	on
Date: 6-19-13 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.