KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Te	st:						(See Instruc	ctions on Re	verse Sid	e)				
Open Flow					, Test Date:				API No. 15					
Compar	eliverab 	ilty				1-9-1	3	Lease		15	-071-2008	5-0040	Well Nu	mber
Horses		Эрє	erating, li	ıc.				Barr				1		
County Greele	у		Location C SW			Section 16		TWP 17S		RNG (E/W) 40W		Acres Attributed 640		ttributed
Field Bradshaw					Reservoir L. Winfield/U.Ft. Riley				Gas Gathering Connection DCP Midstream					
Complet 11/197		е				Plug Bac 3033	k Total Dep	th		Packer Set at None				
Casing Size 4.5			Weight 10.5			Internal Diameter 4.95		Set at 3050		Perforations 2964		то 3007		
Tubing S 2.375	Size		Weight			Internal Diameter		Set at 3023		Perforations		То		
Type Cor Single		1 (De					id Production		-	Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No	
	g Thru	(Anr	nulus / Tubi	ng)			Carbon Dioxi	ide		% Nitrog	en	Gas G	ravity - G	0
Vertical [)			 -		Pres	sure Taps				(Meter	Run) (Pro	over) Size
Pressure	Buildup): {	Shut in		-8 2	o /3 _{at /}	0:45	(ÁM)(PM)	Taken	/	9 20	13 at 10:4	15 1	MI (PM)
Well on Line:								$\overline{}$				at (AM) (P		
							OBSERVE	D SURFACE	E DATA			Duration of Shut	in 2	Hours
Static / Dynamic Property	mamic Size		Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperature t	Head Wellhead Pro		Tubing Wellhead Pressure (P_w) or (P_1) or (P_n)				Produced arrels)
Shut-In	10	0	psig (Pm)	Inches H ₂ 0		•	psig	psia 85	psig	psla	24	-	
Flow	7.00								00	<u> </u>		0, 1	+	
							FLOW STR	EAM ATTR	BUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h		Grav Fact F ₂	or T	Flowing Femperature Factor F _{II}	perature F	viation Metered Fk actor R F _{pv} (Mcfd)		v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
(P _c)² =		:	(P _w)² :	=	:	(OPEN FLO		ERABILITY) % (P	CALCUL - 14.4) +		:	(ዮ _s) (ዮ _d)) ² = 0.20	7
$(P_c)^2 - (F_c)^2 - (F_c$	- 1	(P _c) ² · (P _w) ²		Choose formula 1 or 2: 1. P _c ² -P _k ² 2. P _c ² -P _d ² divided by: P _c ² -P _w ²		LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²	Backpressure Curv Slope = "n"orAssigned Standard Slope		n x	LOG [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	v				Mcfd @ 14.6	55 psia	•	Deliverabi	ility			Mcfd @ 14.65 ps	ia	
		ned	authority. o				tates that h			o make th		g and that he ha		edge of
						and correct			3	day of	april		, 20	. <u>/3</u> .
			Witness ((f any)		KANSA	RECE S CORPORA	TION COMMIS	SSION ,	Janus	ce Ky	ally company		
			For Comn	nission			<u> </u>	1 วกเว			Cher	ked by		
				==1				1 2013			5.104	,		
							CONSERVAT	ION DIVISION	İ					

WICHITA, KS

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 Barr #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: 4-3-/3
Signature: Januar 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.