KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:					(See Instruc	tions on Re	verse Side	a)					
Open Flow														
Deliverabilty					Test Date: 2-16-12				API No. 15 4 15-075-20792-0000					
Compan					3 10	<u></u>	Lease			-0/3-20/3		Well Nu	mher	
		Ор	erating, In	C.			Banbu	ry			2			
County Location				tion	Section			TWP RNG (E/W)			Acres Attributed			
Hamilt	on		SW S	E	31	31		218			640			
Field Bradshaw					Reservoi			Gas Gathering Cor DCP Midstre						
					Winfield Plug Back Total Depti				Packer		ım			
9-23-2	002	ate				· · · · · · · · · · · · · · · · · · ·								
Casing S 4.5	Size		Weight 10.5		Internal Diameter 4.052		Set at 2802		Perforations 2753		2764			
Tubing S 2,375	ize		Weig 4.7	ht	Internal Diameter 2.0000		Set at 2730		Perforations		То			
Type Completion (Describe) Single gas					Type Flui Water	id Production	n		Pump U	nit or Traveling	Plunger? Yes / No			
Producing Thru (Annulus / Tubing)					% (% Carbon Dioxide			% Nitro	gen	Gas Gr	Gas Gravity - G		
Casing														
Vertical D	Depth(H)					sure Taps				(Meter F	Run) (Pi	rover) Size	
				A	···-	Flan	ge		~ //		10 1/14			
Pressure	Build	up:	Shut in	2-15 ₂	0 <i>12</i> 2at_	//;00	(AM) (PM)	Taken_	2-16	20	12 at 11:0	<u>o</u> (AM)(PM)	
Well on L	.ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
			-					-					2//	
						OBSERVE	D SURFACI	DATA			Duration of Shut-	in <u></u>	Hours	
Dynamic S Property (inc		orifice Circle one Meter Prover Pres palg (Pm		Pressure Differential	Flowing Temperature t	Well Head	Casing Wellhead Pressure (P _w) or (P ₁) or (P ₆)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₄)		Duration	Liquid Produced (Barrets)		
				ure in		Temperature t					(Hours)			
				Inches H ₂ 0		<u> </u>	78	psia	psig	psia	34			
Flow	• •						10	•			0)	 		
	L					EL OW STD	EAM ATTR	DITTEC.	<u> </u>	_!	<u></u> .	J		
Disas			Citcle one:	<u> </u>		PLOW SIR		1					Flowing	
Plate Coeffiecient		Mater or		Press Extension	Gravity Factor		Temperature		rviation Metered Flor		w GOR (Cubic Feet/		Fluid	
(F _s) (F _p) Mcfd		Prover Pressure		√ P _m xh	F	,	Factor		E PY	(Mcfd)	Barrel)		Gravity G_	
MCIG		, ps					F ₁₁	 	-					
				<u> </u>							i			
					(OPEN FLO	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS		(P _s) ²	= 0.2	07	
(P _c) ² =		<u>_:_</u>	(P _w) ² =	;	P _d =	9	6 (P	_c - 14.4) +	14.4 =	<u> </u>	(P _a) ²	=		
(P.)2- (P	,)2	(P	_)*- (P_)*	Choose formula 1 or 2:	LOG of			sure Curve	:	ΓΊ		Ор	en Flow	
or		"" ""		2. P.Z. P.Z	formula			Or		LOG	Antilog	Deliverability Equals R x Antilog		
(P _s)*- (P	'a)2			divided by: P.* P.*	and divide	P,2-P,2		igned ird Slope		LJ			Mcfd)	
												·		
					 -		 					•		
=.							<u> </u>		_1					
Open Flow		Mcfd @ 14.65 psia				Delive rability			Mcfd @ 14.65 psia					
			-		, ,			horized to	o make ti	ne above repo	n and that he had		edge of $\frac{12}{2}$	
ie jacts sta	iteo (h	erein	, and that sa	id report is true	and correct.	Executed t	his the	<u>~</u>	day of	The state of	<u> </u>	, 2	:u <u>/ • ~</u> .	
					•	De		(an	rice	Kirl	W			
			Witness (1	arry)	· - · · · · · ·	KECE!	/ED -	7	-	For	xorner by			
			For Commis	sion	· · · · · · · · · · · · · · · · · · ·	APR 1 8	2017 -	· · · · · · · · · · · · · · · · · · ·		Chec	ked by		·_	

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 theBanbury #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 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: 4/16/12
Signature: <u>Janice Ripley</u> Title: <u>Production</u> 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.