KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					((See Instruc	ctions on Re	verse Side)					
Open Flow					Test_Date; //				. API No. 15						
	liverab	ilty				<u> 4-3-</u> ,	14		15-075-20745-0000						
Company Horses		Оре	rating, In	C.				Lease Earl				1	Well N	umber	
County Hamilto	חכ		Loca S NW			Section 23			TWP 22S		RNG (E/W) 40W		Acres Attributed		
Field Bradsh	aw					Reservoir Winfiel		-			Gas Gathering Connection DCP Midstream				
Completion 5-9-200		e				Plug Bac 2759	k Total Dep	oth	1		Set at				
Casing S 4.5	ize		Weight 10.5			Internal I 4.052	Diameter	Set at 2769		Perforations 2730		To 274	то 2742		
Tubing Si 2.375	ize		Weig 4.7	ht	Internal D 2.0000			iameter Set at 2749		Perforations		To			
Type Con Single		ı (De	escribe)			Type Fluid Production Water					Pump Unit or Traveling Plunger? Yes		? Yes / No		
Producing Thru (Annulus / Tubing)					% C	arbon Diox	ide	% Nitrogen			Gas Gravity - G				
Casing Vertical D	epth(H)					Pres	ssure Taps		- <u>-</u>		(Met	er Run) (f	Prover) Size	
						- 11/	Flan	ige					100		
Pressure	Buildu	p: 8	Shut in	1	<u>ك_</u> 2	0 <i>14</i> at _	8:00	. (AM) (PM)	Taken	4-	<u> </u>	14 at_8	<u>:00</u>	(AM) (PM)	
Well on L	ine:	8	Started		20	0 at	·	. (AM) (PM)	Taken		20	at		. (AM) (PM)	
	-						OBSERVE	ED SURFAC	E DATA			Duration of Sh	ut-in	24 Hours	
Static / Dynamic	I		i Matar		Pressure Differential	Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure			Tubing ad Pressure	Duration	Liqu	r uld Produced	
*		hes) Provet Pressure psig (Pm)		- 1	in Inches H ₂ 0	ţ temperatute	t t	(P _w) or (F	P _t) or (P _c)	(P _w) o	r (P ₁) or (P ₂)	(Hours)		(Barrels)	
Shut-in	.66	35						po.g	112			24			
Flow		~~		7					71.00						
		'	•				FLOW ST	REAM AT TE	RIBUTES		'				
Plate Coeffiecient (F _b) (F _p) Mcfd		Cimb one: Meter or Prover Pressure psla			Press Gra Extension Fac ✓ P _m xh F		or Temperature		Fa	riation actor = p+	Metered Flor R (Mcfd)		OR : Feet/ rrel)	Flowing Fluid Gravity G _m	
											_				
(P _c) ² =		•	(P _w)2=	=		(OPEN FLO		/ERABILITY % (1	/) CALCUL P _e - 14.4) +		•		$(P_a)^2 = 0.$ $(P_d)^2 = $	207	
		<u>-`</u>	Choc		se tormula 1 or 2:			Backpressure Curve						Open Flow	
$(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		2	1. P _c ² -P _a ² LOG formu 2. P _c ² -P _d ² 1. or 2 and div deal by: P _c ² -P _w ² by:		P. 2 . P. 2	A:	Slope = "n"		LOG	Antilog		eliverability ils R x Antliog (Mcfd)	
								·	•	+			 		
Open Flov		Mcfd @ 14.6			65 psia	 5 psia		Deliverability		Mcfd @ 14		4.65 psia			
<u> </u>		nned	authority o	-			tales that I	-	·	o make t		ort and that he		wledge of	
						and correct		-	4	day of	augy	S		, 20 14.	
 , · -			Witness	Of am^	, 					ani	ce Ki	ply	<u>'</u>	RECEIVED	
												KAI	NSAS COF	RPORATION COMMIS	
			For Comm	nission	1			•			Che	cked by		10 0 0 0041	

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.										
! hereby request a one-year exemption from open flow testing for the										
gas well on the grounds that said well:										
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: $8-4-14$										
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.