KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes						(See Ins	tructi	ons on Re	verse Side	e)				
Open Flow Deliverabilty							Test Date: 9-9-//					I No. 15 5-20603-00-0	10		
Company	·					9-9-1	<u>'/</u>	····	Lease Jantz	-	07:	5-20603-00-0		Well N	umber
Horseshoe Operating, Inc. County Location				·····	Section					RNG (E/W)		-1	Acres	Attributed	
Hamilton SE SW					5				238		40W			320	
Field Bradsha	w				Reservoir Winfield				Gas Gathering Connecti DCP Midstream		ection 11				
Completion Date 6/17/96					Plug Back Total [2562'				th Packer Set at			7			
Casing Size Weig 4.5" 11.6							Diameter Set at 2569'			Perforations 2541' - 2559'		То	*************************************		
Tubing S	ize	Weight			Internal Di)iameter		Set at		Perforations		То		
2-3/8" 4.7 Type Completion (Describe)					1.995 Type Flui	d Produ	ction	2559' on		Pump Unit or Traveling Plunger?			Yes / No		
Single - Gas Producing Thru (Annulus / Tubing				\$	Water				Pu			Pump Unit - Rod			
Annulus	-	(Anr	nulus / Iubii	ng)		% 0	arbon L	סואסונ	le		% Nitro	gen	Gas G	ravity -	G _e
Vertical D	Depth(H)						Press	ure Taps				(Meter	Run) (F	Prover) Size
Pressure	Duildu	.	 Shut in	-	9-8 3	0//00				Takan	9	-9 20	// at /'4	15	(AM) (PM)
Well on L	•												at		(AM) (PM)
															2//
Static / Ori		Circle one:			Pressure		1	BSERVED SURFACE DATA Casing			Durat Tubing		Duration of Shu	t-in <u>0</u>	7 Hours
Dynamic Property	Size	Size Prover Press				Temperature t			Wellhead Pressure (P _*) or (P ₁) or (P ₆)		Wellhead Pressure (P _w) or (P ₁) or (P _a)		Duration (Hours)	1 -	rid Produced (Barrels)
Shut-In	.62	psig (Pm)		,	Inches H ₂ 0				psig 41	psia	psig	psia	24		
Flow															
							FLOW	STRE	EAM ATTR	BUTES	<u> </u>				
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _r ,		Fa	riation actor F pv	Metered Flow R (Mcfd)	y GOR (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
				1								<u> </u>			
(P _e)² =		_:_	(P_)2	=	:	(OPEN FLO	JW) (DE		•	CALCUL 2 - 14.4) +		<u>.</u> :) ² = 0.2 ,) ² =	
(P _c) ² - (P _a) ² or (P _c) ² - (P _a) ²		(P _c) ² · (P _w) ²		Choose formula 1 or 2: 1, P _a ² - P _a ² 2, P _a ² - P _a ²		LOG of formula 1. or 2.		1 1		e = "n" or	l n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog	
V e/ - (r	a'				ed by: P _c ² - P _w ²	and divide by:	P,z-P,	<u>. </u>		ard Slope		L J		-	(Mcld)
Ones 51:					************************	<u> </u>			2 11 11						
Open Flor		200	audharit.		Mcfd @ 14.6		Inter M	nt l	Deliverabi			· · · · · · · · · · · · · · · · ·	Mcfd @ 14.65 ps rt and that he h		wladac ef
					report is true				_	10	day of	Octobe	Trand that he h		20 <u>//</u>
			Witness	(if any)		<u>-</u>		_		Jun	K K	of pany	F	RECEIVE
- 		***************************************	For Com	nissio	n		72.7.1		_			Chec	ked by	0	CT 2 1 2

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
(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:/0-/8-//
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.