KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(3	See Instruct	ions on Re	verse Side						
=	en Flow Iverabili			Test Date	77			API N 071-2	o. 15 20820-00-0	00			
Company Horsesho		erating, Inc.		<u>J</u>	<u> </u>	Lease Edman				4-17	Vell Number	,	
County Greeley		Loca C SW		Section 17		TWP 19S		RNG (E/W 40W)		Acres Attrib	Jted	
Field Bradshav	N			Reservoir Winfield					ering Conne Ldstream				
Completion Date 7/18/05				Plug Back Total Depth 2900				Packer Se None	t at				
Casing Siz	Z0	· Weig		Internal D 4.052	iameter	Set 292		Perfora 2862	tions	то 2875			
Tubing Siz	Z O	Weig 4.7	ght	Internal D 2.000	Diameter	Set : 290		Perforations To 2879 . 2885					
Type Com Single	pletion	(Describe)		Type Fluid Water	d Production	1		Pump Unit Yes Ro		Plunger? Yes			
Producing Annulus		(Annulus / Tubi	lng)	% C	arbon Diox	de		% Nitroger	n	Gas Gr	avity - G _g		
Vertical Do	epth(H)				Pres Flan	sure Taps Ge				(Meter I 2"	Run) (Prove) Size	
Pressure I	Buildup	: Shut in	<i>3-8</i> ₂	0 // at _	8:45	(PM)	Taken	3-0	720	11 at 8:4	5 (AM)	(PM)	
Well on Li	ine:	Started	20) at		(AM) (PM)	Taken		20	at	(AM)	(PM)	
<u>-</u>				_	OBSERVE	D SURFAC	E DATA	·		Duration of Shut-	in <u>24</u>	_ Hours	
Static / Dynamic Property	Orific Size (inche	Prover Pres	Differential in	Flowing Temperature t	Well Head Temperature t	Wellhead	sing Pressure P ₁) or (P ₄) psia	Wellhead	bing I Pressure P ₁) or (P _c)	Duration (Hours)		d Produced Barrels)	
Shut-In		, , , , , , , , , , , , , , , , , , ,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			parg	763	paig	, polici	24			
Flow							<u> </u>		<u> </u>				
					FLOW STE	REAM ATT	RIBUTES	— г					
Plate Coeffieci (F _b) (F _c Mcfd	ient	Circle one: Meter or Prover Pressure psia	Press Extension Pmxh	Gran Fac F	tor	Flowing Temperature Factor F _{f1}	Fa	riation actor = pv	Metered Flow GOR R (Cubic Feet/ (Mcfd) Barrel)		et/	owing Fluid travity G _m	
(P _o) ² =		_: (P _w)	2= :	(OPEN FL	OW) (DELIV		/) CALCUL P _c - 14.4) +		:	(P _a)	² = 0.207		
(P _a) ² - (F or (P _a) ² - (F	- 1	(P _e) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² · P _e ² 2. P _c ² · P _d ² divided by: P _c ² · P _w	LOG of formula 1. or 2. and divide		Backpr Sk	essure Curve ppe = "n" or ssigned dard Slope	9 n x 1	og [Antilog	Open F Delivers Equals R x	bility Antilog	
Open Flor	w		Mcfd @ 14	65 psla		Delivera	bility			Mcfd @ 14.65 ps	ia		
		-	on behalf of the				authorized	day of	Juni	ort and that he h	as knowledg	e of //	
		Witne	ss (if any)				- 1		For	Company	REC	EIVEI	
•	<u>-</u> .	For Co	ommission						Chi	ecked by	RECE JUN 1	0 20	

KCC WICHITA

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	at the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
f equi	pment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Edman 4-17
	eleby request a one-year exemption from open how 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
l fu	orther agree to supply to the best of my ability any and all supporting documents deemed by Commissi
taff as	s necessary to corroborate this claim for exemption from testing.
ate:_	6-8-11
	Signature: <u>Janice Ripley</u> 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.