KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:							(See Instruc	tions on Rev	erse Side	9)				
Open Flow														
Deliverabilty				Test, Date;				API No. 15 15-071-20-777 - (OO()						
Company Horseshoe Operating, Inc.						Lease Wallace							Well Number	
County Location Greeley NW					Section 22		TWP 20S		RNG (E/W) 40W		. Acres Attributed			
Field Bradshaw					Reservoir Towanda					hering Conne	ection			
Completion Date 11/17/03				Plug Back Total De 2850				th	····	Packer S None	Set at			
			Weig 10.5			Internal Diameter 4.052		Set at 2844		Perforations 2818 2812		To 2826 2821		
Tubing Size Weight 2.375 4.7				Internal I 1.995	Diameter	Set at 2840		Perfo	rations	То	То .			
Type Completion (Describe) Single Gas				Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes						
Annulus	3		nulus / Tubir	ıg)		% C	arbon Dioxi	de		% Nitrog	jen	Gas Gr	avity - G _g	
Vertical Depth(H) 2855				Pressure Taps Flange				(Meter Run) (Pr			Run) (Prover) Size			
Pressure	Buildu	p:	Shut in	1	15 2		4,20	(AM) (PM)	Taken	-				
Well on L	ine:		Started		2	0 at		(AM) (PM)	Taken	 .	20	at	(AM) (PM)	
							OBSERVE	D SURFACE	DATA			Duration of Shut-i	in 24 Hours	
Static / Dynamic Property	Size		Citale one: Meter Prover Pressure psig (Pm)		Pressure Differential In Inches H _e 0	Temperature Temperatur		(P_w) or (P_t) or (P_a)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₆)		Ouration (Hours)	Liquid Produced (Barrela)	
Shut-In			, - , ()		mondo rigo			psig	#0	psig	psia	24		
Flow									•					
							FLOW STR	EAM ATTRI	BUTES		—	 -	·	
Plate Coeffiecient (F _B) (F _p) Mcfd		Circle one: Meter or Prover Pressure pala			Press Extension	Grav Fact F _g	or Temperature		Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G_m	
****			-	'		(OPEN FLO	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS				
(P _c) ² =		_:	(P _w)² =	·	:	P _a = .	9		- 14.4) +		:	(P _a) ²	! = 0.207 ! =	
(P _a) ² - (P _a) ² or (P _a) ² - (P _a) ²		(P _o)*-(P _w)*		1	P ₂ - P ₃	LOG of formula 1, or 2, and divide	P ₂ 2 P ₂ 2	Backpressure Curve Slope = "n" or Assigned		, ax log []		Antilog	Open Flow Deliverability Equals R x Antilog	
				divida	ио бу: Р _е 2 - Р _и 2	by:		Standa	rd Slope		ال ال		(Mcfd)	
Open Flow					Mcfd @ 14.6	35 psia		Deliverability		Mcfd @ 14.65 psia				
							tates that he		horized t	o make the	llugu	rt and that he ha	s knowledge of	
			Witness (i any)	•		 -	0	/	Fylic	Company		
			For Comm	vission	1			_			Chec	ked by	J6-1-9-2011 -	

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 Wallace 3-22 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: 8/16/11
Signature: Japice 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.