KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(5	See Instructi	ons on Rev	erse Side,)				
Open Flow Deliverabilty	Open Flow			Test Date: 7/2/6/11			API 071	No. 15 -20043 /- 00-	00		
Company Horseshoe Operating, Inc.			Lease Householder			older			1-29.	Well Number 1-29	
County Greeley	unty Location			Section 29		TWP 20S		M)	Acres Attributed 640		
Field Bradshaw			Reservoir Winfield					nering Conne dstream	ection		
Completion Date 6/1973			Plug Back Total Depth 2828				Packer S	et at			
Casing Size 4.5	Size Weight 9.5			Internal Diameter 4.09		Set at 2831		ations	то 2822		
Tubing Size			Internal Diameter 1.995		Set at 2814		Perforations		То	То	
Type Completion (I Single - Gas	Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod						
Producing Thru (Annulus / Tubing) Annulus			% Carbon Dloxide			% Nitrogen		Gas Gra	Gas Gravity - G _g		
Vertical Depth(H) 2832	Pressure Taps Flange						(Meter F	lun) (Prover) Size			
Pressure Buildup:	Shut in	25 20	// at e		(AM)(PM)	Taken	7/2	<u>6</u> 20	11 at 3:3	O (AM) (PM)	
Well on Line:	,				(AM) (PM)	Taken	<u> </u>	20	at	(AM) (PM)	
				OBSERVE	D SURFACE	DATA			Duration of Shut-	n <u>24</u> Hours	
Static / Orifice Dynamic Size Property (Inches)	Size Prover Pressure in		Flowing Well Head Temperature t t t		Casing Wellhead Pressure (P _u) \(\text{(P_1)} \) \(\text{(P_c)} \)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In . 62		IIIC/IGS TI ₂ O			psig	74.	psig	psia	24		
Flow										<u> </u>	
				FLOW STR	EAM ATTR	BUTES			<u> </u>		
Plate Coefficient (F _b) (F _p) Mctd	Coefficient Mater or Extension (F _b) (F _p) Prover Pressure		Gravity Teactor F		Flowing Femperature Factor F _H	perature Factor		Metered Flov R (Mcfd)	w GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m	
			(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS		(B.)	² = 0.207	
(P _e) ² =	(P _w) ² =	<u> </u>	P _d =			- 14.4) +		:	(P _d)		
(P _o) ² · (P _a) ² (P _o) ² · (P _w) ² 1. P _o		1. P ₂ ² - P ₂ ² 2. P ₃ ² - P ₃ ² /ided by: P ₃ ² - P ₃ ²	LOG of formula 1, or 2.		Backpressure Curv Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
								·			
Open Flow		Mcfd @ 14.6	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia	
	ned authority, on			states that h	ne is duly au	uthorized t	to make t	ne above repo	ort and that he ha	s knowledge of	
the facts stated the	rein, and that sald	i report is true	and correc	t. Executed	this the	3	day of	augu	St.	, 20	
	Witness (II a	uny)			-	4	initt		Company F	RECEIVED	
•	For Commis	sion			-			Che	cked by	UG 1 1 2011	

KCC WICHITA

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 Householder 1-29
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: 8/3///
Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</u>

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.