KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(See Instruct	ions on Rev	erse Side)				
	oen Flov eliverabil			Test Date	e: ' 2			API 071	No. 15 -20251 - C	15 6-00		
Company	y			001	<u>~</u>	Lease Stephen	s				Well Number	
Horseshoe Operating, Inc. County Location Greeley SE/4			Section 15				RNG (E/W) 40 \		Acres Attributed			
Field Bradsha				Reservoi Winfield				Gas Gat	hering Conne			
Completic	on Date	,		Plug Bac 2967	k Total Dept	h		Packer S	Set at			
Casing Size 4-1/2		Weight 9.5		Internal Diameter 4.050		Set at 2971		Perforations 2885'		то 2892 '		
Tubing Size 2-3/8		Weig 4.7	jht	Internal Diameter 1.995		Set at 2937		Perforations 2914'		то 2916'		
Type Completion (Describe) Single Gas				Type Fluid Production Water			Pump Unit or Trave Pump - Rod		- Rod	·		
Producing Annulus	-	Annulus / Tubi	ng)	% (Carbon Dioxid			% Nitrog	en		avity - G _g	
Vertical D	Depth(H)				Flang					3"	Run) (Prover) Size	
Pressure	Buildup				•					12 at 8:0		
Well on L	.ine:	Started	2	0 at		(AM) (PM)	Taken		20	at		
					OBSERVE	D SURFACE	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	Casi Wellhead F (P _w) or (P _r psig	Pressure	Wellhe	Tubing and Pressure r (P _t) or (P _a)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.75	0				50				24		
Flow				<u></u>	FI OW STD	EAM ATTRI	DUTCO	<u></u>			,	
					FLOW SIR		BUIES		<u></u>		Flowing	
Plate Coeffiec (F _b) (F Mcfd	ient)	Circle one: Meter or Prover Pressure psia	Press Extension P_x h	Grav Fac F	tor T	Flowing emperature Factor F _{II}	Fa	iation ctor ev	Metered Flow R (McId)	(Cubic Fe Barrel)	et/ Fluid	
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P)	²= 0.207	
(P _c) ² =		: (P _w) ²	=:	P _d =	. 9	6 (P,	- 14.4) +	14.4 =	:	(P _a)		
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2 1. Pc² - Pc² 2. Pc² - Pc² divided by: Pc² - Pw	LOG of formula 1, or 2, and divide	P 2 - P 2	Stop	sure Curve e = "n" origned ird Slope	l n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				-								
Open Flow		Mcfd @ 14.65 psia				Deliverability		Mcfd @ 14.65 psia				
			said report is trud		t. Executed REC		1/2	o make the	aprice above repo	rt and that he ha	is knowledge of, 20 12	
	· · · · · ·	For Com	mission			- matri		- 	Chec	eked by		

KCC WICHITA

	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.								
	regoing pressure information and statements contained on this application form are true and								
correct to the b	est of my knowledge and belief based upon available production summaries and lease records								
	stallation and/or upon type of completion or upon use being made of the gas well herein named. quest a one-year exemption from open flow testing for the Stephens #1								
	grounds that said well:								
(Che	ck one)								
Γ	is a coalbed methane producer								
	is cycled on plunger lift due to water								
Ī	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.								
Ī	is not capable of producing at a daily rate in excess of 250 mcf/D								
	- 								
I further agr	ree to supply to the best of my ability any and all supporting documents deemed by Commission								
taff as necess	ary to corroborate this claim for exemption from testing.								
	• •								
Date: <u>4///4</u> /	112								
/u.c//									
	Signature: <u>Janice Ripley</u> Title: Production Assistant								
	riug.								
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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.