RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Te	st: Open Flow	,	·			(See Insi	tructions on R	everse Sid	le)	LIMBILI	11 1231		
Deliverabilty				5-22-13				API No. 15 15-071-20083 - 0000					
	shoe O	perating,	Inc.	1			Lease Fecht				B-1	Well N	umber
County Location Greeley NW NW				Section 10		TWP 19S	19S 40W				Acres Attributed 640		
Field Bradsl					ir nfield		Gas Gather DCP Mic		thering Con Midstrea				
8/16/7						ck Total D	Depth	h Packer Set at None		Set at		·	
Casing 5				Internal 4.052	Diameter		Set at 2941		orations 6	то 2883			
Tubing 5 2.375	Tubing Size Weight 2.375 4.7			Internal 1.995	Diameter		Set at 2909		Perforations		То		
Type Completion (Describe) Single Gas				Type Flu	Type Fluid Production Water			Pump Unit or Traveling Plun Yes			/ No		
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide			,t	% Nitrog	jen	Gas G	Gas Gravity - G		
Vertical Depth(H) 2950					,	essure Taps			(Meter Run) (Prover) Size				
Pressure	Pressure Buildup: Shut in $5-21_{20}$			o /3 _{at} _	13at 11:52 (AM) (PM) Taken_			5-22 20 13 at 11:52 (AM) (F			(PM)		
Well on L	ine:	Started		2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)
125 July 14						OBSER	VED SURFAC	E DATA		al Assemble of the	Duration of Shut	-in	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle on Mater Prover Pre- psig (Pr	ssure	Pressure Differential In Inches H ₂ 0	Flowing Well He Temperature t		d Wallboard		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia				d Produced Barrels)
Shut-In	.625			-			hora	75.5	parg	- Bid	24	 	
Flow													
					-	FLOW ST	FREAM ATTR	BUTES	····			l	
Plate Coeffiecte (F _b) (F _p Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fact F,	or	Flowing Temperature Factor F ₁₁		ation etor	Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
,)² =		(P _w)²	=	<u> </u>	OPEN FLO)W) (DELI	VERABILITY) CALCULA 2 - 14.4) +			(P _a) (P _d)	² = 0.20	07
(P _c) ² - (P _d or (P _c) ² - (P _d		(P _c) ² - (P _w) ²		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ but by: $P_c^2 - P_a^2$ LOG of formula 1. or 2. and divide by:		P _c ² - P _w ²	Siop	Backpressure Curve Slope ≃ "n"Or Assigned Standard Skope		.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
pen Flow			N	Acfd @ 14.6	5 psiá	••	Deliverabi	lity			Vlcfd @ 14.65 psi	a	
		n, and that s	aid re	half of the C				<i>)</i>	make the	above repor	t and that he had	s knowle , 2	edge of 0 13.
		Witness (0	, - , - , - , - , - , - , - , - , - , -	For Co	Impally /	NU	> VVIC h
		For Comm	vission				_			Check	ked by	JU	N 2 0 20

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 Fecht 1-B gas well on the grounds that said well:
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
staff as necessary to corroborate this claim for exemption from testing.
Date: <u>6-18-13</u> Signature: <u>Janice Ripley</u> Title: <u>Hoduction 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.