KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:		OME	I OINT O	(See Instruct	ions on Re	verse Side)				
	en Flov liverabi				Test Date	e: /				No. 15 071-20076	5-00-0	S	
Company)ne	erating, Inc		13/1	10	Lease Hardin	α		07 1 2007 0	1		Number
County Greeley		Location		Section 10		TWP 20S		RNG (E/W) 40W			Acres	Attributed	
Field Bradshaw				Reservoir Winfield		200		Gas Gathering Connection DCP Midstream		ection			
Completic 5/1975		•			Plug Back Total Depth Packer Set at 2860 TD								
	asing Size		Weight	<u> </u>		Internal Diameter 4.052		Set at 2860		Perforations 2800		8	
Tubing Size 2.375		Weight 4.7			Internal Diameter 2.0000		Set at 2857		Perforations		То		
Type Con Single		(De		Type Fluid Production Pump Unit or Traveling Plune Water Pump Unit or Traveling Plune		Plunger? You	es / No	*					
	-	(Anr	nulus / Tubing)		Carbon Dioxid	le		% Nitroge		Gas	Gravity -	· G _g
Vertical D	epth(H)	· ·			Press Flang	ure Taps					er Run) (3 //	Prover) Size
Pressure	Buildup): ;	Shut in	3/42	0 / O at _	10:37		Taken	8/5	20,	10 at 1:	26	(AMY(PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		_ (AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Sh	nut-in <u>0</u>	74_Hours
Static / Dynamic Property	Orific Size (inche	•	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Wellhea (P _w) or	ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liq	uid Produced (Barrels)
Shut-In	.50	0	psig (Filit)	mones m ₂ 0			psig	52	psig	psia	24		-
Flow								_					
					<u> </u>	FLOW STR		IBUTES	· · · · · · · · · · · · · · · · · · ·				
Plate Coeffiec (F _b) (F Mcfd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Gra Fac F	tor	Flowing Deviation Metered Flow GOR Factor Factor F, (Mcfd) Barrel		Feet/	Flowing Fluid Gravity G _m			
/D.\2			(D.)2		-	OW) (DELIV		<mark>') CALCUL</mark> P _e - 14.4) +				$(P_a)^2 = 0$ $(P_d)^2 =$.207
$(P_c)^2 = $	P _a) ²	_ · (F	$(P_w)^2 = \frac{(P_w)^2}{(P_w)^2}$	1. P _c ² -P _a ²	P _d =		Backpre Sio	essure Curve	1	rog	Antilog	D	Open Flow Deliverability als R x Antilog
(P _c) ² - (I	P _d)*		•	divided by: $P_c^2 - P_w$	and divide by:	P _c ² -P _w ²		ssigned dard Slope					(Mcfd)
Open Flo	w			Mcfd @ 14	.65 psia		Delivera	bility			Mcfd @ 14.65	psia	
		_	-	n behalf of the				uthorized	to make the	he above rep	ert and that he	e has kno	owledge of , 20 <u>/ / / </u>
			Witness (i	f any)		· · · · · · · · · · · · · · · · · · ·		$-\frac{\zeta}{I}$	Janu	e Ky	Olly- Company		
			For Comm	ission					·	Che	cked by	R	ECEIVED

OCT 1 4 2010

	under the laws of the state of Kansas that I am authorized to reques 304 on behalf of the operator Horseshoe Operating, Inc.
and that the foregoing pressure inform	nation and statements contained on this application form are true and
correct to the best of my knowledge an	d belief based upon available production summaries and lease records
	pe of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemp	otion from open flow testing for the Harding #1
gas well on the grounds that said well:	
(01 1	
(Check one)	
is a coalbed methan	
is cycled on plunger	
	al gas for injection into an oil reservoir undergoing ER present time; KCC approval Docket No
	oducing at a daily rate in excess of 250 mcf/D
▼ 13 not capable of pro	ducing at a daily rate in excess of 250 mc/D
I further agree to supply to the bes	t of my ability any and all supporting documents deemed by Commiss
staff as necessary to corroborate this o	
Date: 10////0	
Date: 10/11/10	
	0 . 1
	Signature: Janice Ripley
	orginator of the second of the

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.