KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instruc	tions on Re	everse Side	9)				
Open Flor	N										
Deliverabilty			Jest Date:				API No. 15 15-071-20136 ~ () () ()				
Company			J- 1-1	1	Lease		13	-071-2013			
Horseshoe C					Foste	r			1	Well Number	
Greeley C NW			Section 7		TWP 20S		RNG (E/W) 39W		Acres Attributed 640		
Fleid Bradshaw	Reservoir Winfield				Gas Gathering Connection DCP Midstream						
Completion Date 7/12/77			Plug Back Total Depth 2864				Packer Set at None				
Casing Size Weight 4.5 10.5			Internal Diameter 4.052		Set at . 2866		Perforations 2814		то 2825		
Tubing Size 2.375			Internal Diameter 1.995		Set at 2832		Perforations		To	<u> </u>	
Type Completion Single Gas	Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes						
Producing Thru (% (% Carbon Dioxide				% Nitrogen Gas Gravity - G					
Vertical Depth(H) 2868				Press	sure Taps				(Meter	Run) (Prover) Size	
Pressure Buildup:	Shut in	<i>3-8</i> ₂	0 // 21	11:15	(410) (510)	Taken	3-	9	11 . 11:7	50	
Well on Line:				•	\smile					(AM) (PM) (PM)	
	- • • • • • • • • • • • • • • • • • • •				D SURFAC				Duration of Shut	- 	
Dynamic Size	Orlfice Cimie one: Pr. Size Meter Diff Prover Pressure		Flowing Temperature	Well Head Temperature	Casing Wellhead Pressure (P_) or (P_) or (P_c)		Tubing Weilhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Duration (Hours)	Liquid Produced (Barrels)	
Shut-in .62	psig (Pπ	psig (Pm) Inches H ₂ 0		t	psig			psia	24		
Flow						<u> </u>		 	07	<u> </u>	
				FLOW STR	EAM ATTR	IBUTE\$	L	<u></u>			
Plate Coefficient (F _b) (F _p) Mcfd	Coefficient Meter or Extension (F _b) (F _g)		Gravity Factor T F _g		emperature Fa		wiation Metared Flow actor R F _{ev} (Mcfd)		GOR (Cubic Fe Barrel)) Charles	
		1					<u></u>		<u></u>		
P ₀) ² =	(P _w) ²		OPEN FLO	OW) (DELIVE) CALCUL ² c - 14.4) +		:	(P _s) (P _s)	² = 0.207 ² =	
$(P_e)^2 - (P_a)^2$ or $(P_s)^2 - (P_g)^2$	(P _c)²- (P _w)²	Choose formula 1 or 2: 1. P _c ² -P _c ² 2. P _c ² -P _c ² childed by: P _c ² -P _c ² by:		P.2. P.2	Backpressure Curve Slope = "n"		n x LOG		Antilog	. Open Flow Deliverability Equals R x Antilog (Mcfd)	
										· · · · · · · · · · · · · · · · · · ·	
Open Flow	······	Mcfd @ 14.6	-		Deliverab				Mcfd @ 14.65 ps		
The undersign						0	make the	e above repor	and that he ha	RECEIVED	
	For Com	nission			-			Chec	ked by K	CC WICHI	

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 Foster 1
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
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: 6-8-11
Signature: <u>Production</u> 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.