KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flo eliverab			Test Dat 5-22	e:/3				No. 15 -20151-00-0 ()	
Company				200	<u> </u>	Lease			1-20101-00-00	·	Well Number
Horseshoe Operating, Inc. County Location				Gibb Section TWP			DNO (E	AAN	1		
Greeley			Section 28			17S		RNG (E/W) 40W		Acres Attributed	
Field Bradshaw				Reservoir Winfield			Gas Gathering Connection DCP Midstream				
Completi	on Dat	e		Plug Bac 2990	k Total Dept	h		Packer S	Set at		
Casing S 1.5	9.6		Internal I 4	Internal Diameter 4		Set at 3000		rations 0-2949	то 2956-2959		
Tubing Si 2-3/8	bing Size Weight 3/8 4.7			Internal Diameter 1.995		Set at 2920		Perforations			
Type Completion (Describe) Single				Type Fluid Production Water			Pump Unit or Traveling No		nit or Traveling F	Plunger? Yes	/ No
-	g Thru	(Annulus / Tub	ing)	% (Carbon Dioxid	de		% Nitrog	en	Gas G	iravity - G _g
Tubing	enth(H	<u>, </u>			Pros	sure Tans				(Moter	Run) (Prover) Size
Vertical Depth(H)				Pressure Taps Flange						3"	Hully (Flover) 3/28
Pressure	Buildu	p: Shut in	5-21	₂₀ /3 _{at_}			Taken	5-2	2 20/	3 at ///	13 (AM) (PM)
Well on L	ine:	Started		20 at		(AM) (PM)	Taken	· 	20 _	at	(AM) (PM)
			•		OBSERVE	D SURFACE	DATA			Ouration of Shut	t-in_24_Hou
Static /	Orific	Circle on	1	l Howing	Well Head	Casin Wellhead P perature (P.) ~ (P.)		Tubing			
Oynamic Property	Size (inche	Prover Pres		lemperature	Temperature t				ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
		psig (Pn	n) Inches H ₂ () '	•	psig	psia	psig	psia	- A //	<u> </u>
Shut-in						70				24	
Flow							,				<u> </u>
			- 		FLOW STR	EAM ATTRI	BUTES				
Plate Coeffieci		Circle one: Meter or	Press Extension			Flowing emperature	Deviation Factor		Metered Flow	GOR (Cubic F	Christ
(F _p) (F _p) Motd		Prover Pressure psia	✓ P _m xh	I			F _p ,		(Mcfd)	Barrel	Gravity
							 			-	
				(OBEN EL	OW) (DELIVE		CALCIII	ATIONS	1		
P _c) ² =		_: (P _w)²		•	%		CALCUL. _c - 14.4) +		<u>:</u>) ² = 0.207) ² =
			Choose formula 1 o	hoose formula 1 or 2:		Backpressure Cu				, d	Open Flow
or (P _c)²- (P _a)²		$(P_c)^2 \cdot (P_w)^2$	1. P _c ² -P ²	formula		Stope		nxl	LOG	Antilog	Deliverability
(P _c)²- (F	P _d) ²		2. P _c ² · P _d ² divided by: P _c ² · F	1. or 2. and divide by:	P _c ² - P _w ²	Assigned Standard Slope				•	Equals R x Antilog (Mcfd)
			3.1333 J. 1 c	-							
		·						-			<u> </u>
pen Flow			Mcfd @ 14.65 psia			Deliverability			Mcfd @ 14.65 psia		
The u	ndersia	ned authority		····	tates that he		•	make th			as knowledge of
							ı a		1 and the second	ono mache na	20 /3
: IaCIS SI	aleu IN	erein, and that	said report is tru	ue and correct	. Executed 1	inis the/		day of ANC	Kin	lou	KCC WICI
						-		viuc		~~~~	
		Witness	(If any)						/ For Con	npany /	JUN 2 6 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 Gibb #1
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: 6-19-13
Signature: <u>Januce 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.