KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				6	See Instruct	ions on Reve	erse Side)					
Op	en Flov	N			Test Date:					No. 15				
De	liverabi	lty			1-20-1				15-	071-20755	50000			
Company Horseshoe Operating, Inc.					Lease Kuttler H						1	Well Number		
County Location Greeley NE NW					Section 29		TWP 19S		RNG (E/W) 39W		Acres Attributed			
Field Bradshaw					Reservoir Winfiel					hering Conne (idstream				
Completion Date					Plug Back Total Depth				Packer S	Set at				
8-5-2002					Internal Diameter Set at				Do do		To		<u>_</u>	
Casing Size Weight 4.5 10.5				nt	4.052	Jiameter	Set at 2854		Perforations 2817		2832			
Tubing Size Weight 2.375 4.7				nt	Internal D 2.000	Diameter	Set at 2837		Perforations		То	То		
Type Completion (Describe) Single gas					Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Thru (Annulus / Tubing)				g)	% Carbon Dioxide				% Nitrog	en	Gas Gr	Gas Gravity - G		
Casing											/64a4a- [2\ /D-	over) Size	
Vertical D)epth(H)				Flan	sure Taps de				(Meter)	iun) (Pr	over) Size	
Pressure	Buildup	o: \$	Shut in	1-19 2	0/2at	_ `		Taken	1-6	20 20	12at 9:1	00	AM) (PM)	
Well on L	ine:	;	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	in	24 _{Hours}	
Static / Orifice			Circle one: Mater	Pressure Oifferential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid	Liquid Produced	
Dynamic Property	Dynamic Size Property (inches		Prover Press	ure in	Temperature t	Temperature t	(P,) or (P,) or (P,		(P,) or (P,) or (P,		(Hours)	(Barrels)		
Shut-In	10		psig (Pm)	Inches H ₂ 0			psig psia		psig	psla	24		****************	
Flow	-													
L				!		FLOW STR	EAM ATTRI	BUTES						
Plate Gittle one:				Press	Press Gravity		Flowing		wiation Metered Flow		v GOR		Flowing	
Coeffiecient (F _e) (F _e)			Meter or ver Pressure	Extension	Fact	or T	Temperature Fi		actor R		(Cubic Fe	st/ Fluid Gravity		
Mcfd			psla	✓ P _m xh	F,	•	F _{ii}		F _{pv} (Mcfd)		Barrel)		G _m	
<u> </u>					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUI	ATIONS	<u> </u>	(P.)	² = 0.2	07	
(P _e) ² =		<u>.:</u>	(P _w) ² =	<u>:</u>	P _d =	9	% (P	- 14.4) +	14.4 = _	;	(P _a)			
(P _e)²- (P _a)²		(P _e) ² - (P _m) ²		1. P.2 - P.2	LOG of		Backpressure Curv		1			Open Flow Deliverability Equals R x Antilog (Mcfd)		
or (P)2-(P)2				2. P _a ²-P _a ²	formula 1. or 2.		or		n x LOG		Antilog			
(F ₆)-* (F ₆)-		divi		divided by: Pt - P	and divide by:	P.2. P.2	Standard Slope		L J					
	1								Î					
Open Flor	w		I	Mcfd @ 14.	65 psia		Deliverabl	lity			Mcfd 6 14.65 ps	ia		
The c	undersi	aned	authority, o	n behalf of the	Company s	tates that h	e is duly au	horized	to make t	he above repo	ort_and that he ha	as know	rtedge of	
		_		ald report is true				2/0	day of	Mars	h		20/2	
ine idets S	iaieo (n	9191	i, and that S	am tahou is iung	and correct	. Executed	uus une <u>2</u> 2				·	•	. <u>۱۳۰۸</u> .	
·			1284	14 am A				\subseteq	ani	ce ru	pley			
			Witness (er ettry)				0	•	1-01	Anadomia ()			
1			For Comm	nission			_			Che	cked by	RF	CFIVE	

MAR 2 8 2012 KCC WICHITA

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 Kuttler H
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 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: 3-26-12
Signature: <u>Janual Ripley</u> Title: <u>Froduction</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.