KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instruc	tions on Re	everse Side	9)				
Open F				/, Test Dat	e: , ,			AP	l No. 15			
Deliverabilty			/	4-3-2014				071-20840-00-00				
Company Horseshoe Operating, Inc.				Lease Barker				. :			Well Number 1-10	
County Location Greeley SW/SW/SE				Section 10		TWP 19S		RNG (E/W) 40W		Acres Attributed		
Field Bradshaw				Reservoi Winfield					thering Conn Midstream			
Completion Date 6/30/06				Plug Bac 2965	k Total Dept	Non		Packer : None			-	
Casing Size Welght I-1/2 10.5				Internal I 4.000	Diameter	Set at 2965		Perforations 2879		то 2930		
Tubing Size Weight 2-3/8 4.7				Internal I 1.995	Diameter	Set at 2932		Perforations		То		
Type Completion (Describe) Single				Type Flui Water	1	Pump Unit or Traveling Plant Yes			Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulus)	% (Carbon Dioxi	le % Nitroge		en Gas G		ravity - G		
Vertical Depth	i(H)		,		Press	sure Taps				(Meter	Run) (Prover) Size	
Pressure Build	dup:	Shut in	I-2 2	14 at_	8:00	(AN) (PM)	Taken	4-	3 20	14 at 8,	00 (AM) (PM)	
Well on Line:		Started	2	0 at	·· (at		
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in <u>34</u> Hour	
Dynamic S	rifice Size ches)	Circle one: Meter Prover Pressur		Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _a)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		psig (Pm) .	Inches H ₂ 0		_	psig	6k2	psig	psia	24		
Flow			-			_	<u> </u>					
<u>'</u>					FLOW STR	EAM ATTR	IBUTES				· · · · · · · · · · · · · · · · · · ·	
Plate Coeffiecient (F _b) (F _p) Mcfd	1	Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Extension Fact		Flowing emperature Factor F _{ri}	erature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Czatáki	
						•						
P _c)2 =		(P _*) ² =_		(OPEN FLO	OW) (DELIVE %) CALCUL 2 - 14.4) +		•	(P _a)	² = · 0.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P	(P _w) ² (P _w) ²	1. P _c ² - P _d ² 2. P _c ² - P _d ² vided by: P _c ² - P _d ²	LOG of formula 1. or 2. and divide p 2 p		Backpressure Curv Slope = "n"		лх1	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			<u> </u>									
Open Flow Mcfd @ 14.65 psia						Deliverability				Mcfd @ 14.65 psia		
		l authority, on n, and that said					II	make that ay of	ne above repor	t and that he ha	is knowledge of, 20	
			<u></u>				· ~	nice	Rip	les	RECEIVE	
•		Witness (if a	uny)			_	1		ForC	ompany (Al	NSAS CORPORATION	
		ForCommis	slon			_		_	Chec	ked by	AUG 0 6	
								,			CONSERVATION (WICHITA, K	

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 Barker 1-10 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: 8-4-14 Signature:

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.