KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st•			((See Instruc	tions on Re	verse Sid	le)				
	pen Flow eliverabilty			Test Date:					l No. 15 5-2070 9 -00-0	00		
Company Horseshoe Operating, Inc.					Lease Mai					1	Well Number	
County Location Hamilton C NE				Section 8		TWP 23S		RNG (E/W) 41W			Acres Attribute	
Field Bradshaw				Reservoi Winfield	Reservoir			Gas Gathering Connection Oneok				
Completion Date 11-20-1999				Plug Back Total Depth 2608				Packer None	Set at			
Casing Size Weight 4.5 10.5			Internal I 4.052	Diameter	Set at 2607		Perforations 2506-17;42-49		то 2554	то 2554-56;61-69		
Tubing Size Weight 2.375 4.7			Internal I 1.995	Diameter	Set at 2669		Perforations		То	То		
Type Completion (Describe) Single - Gas				Water	Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod			
Producing Annulus		nnulus / Tubi	ng)	% C	Carbon Diox	ide	_	% Nitrog	gen	Gas C	Gravity - G _g	
Vertical D	Depth(H)				Flan	sure Taps ge				(Mete 2"	r Run) (Prover) S	
Pressure	Buildup:	Shut in	9-10 2	2014 _{at}	9:30	(AM) (PM)	Taken	9-		14 _{at} 9	:30 AND P	
Well on L	_ine:	Started	2	0 at		(AM) (PM)	Taken	•	20	at	(AM) (P	
			·		OBSERVE	D SURFAC	E DATA			Duration of Shu	ıt-in <u>24</u> ı	
Static / Orifice Dynamic Size Property (inches)		Circle one Meter Prover Press psig (Pm	Differential sure in	Flowing Temperature t	Well Head Temperature	ture (P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produc (Barrels)	
Shut-In	.750		,			psig	psia 71	psig	рыа	24	,	
Flow		<u> </u>						<u> </u>	_{			
					FLOW STR	REAM ATTR	IBUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one- Meter or rover Pressure psia	eter or Extension		rity	Temperature Fac		viation Metered Flow actor R F _{pv} (Mcfd)		(Cubic F Barre	eet/ Flui	
		· · · · · · · · · · · · · · · · · · ·										
(P _c) ² =		(P _w) ² :		(OPEN FLO		ERABILITY) % (F) CALCUL ² c - 14.4) +				$(a_1)^2 = 0.207$ $(a_2)^2 = 0.207$	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ² (P _c) ² - (P _w) ² 1. P _c ² - P _s ² 2. P _c ² - P _c ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpressure Curve Slope = "n"		n x 106		Antilog .	Open Flow Deliverabilit Equals R x An (Mofd)	
Onc: 5'		<u> </u>	Naza o a c	05 ====	•	5."	- 1914			U-tl 6 1 1 1		
Open Flov		· · · · · · · · · · · · · · · · · · ·	Mcfd @ 14.6		 .	Deliverab				Vlcfd @ 14.65 p		
			on behalf of the said report is true				1	o make th	ne alapve repor	t and that he h	as knowledge o	
		,	- 7,		,		($\bigcirc a$	nico K	(). JKANS	SAS CORPORATION	
•						_				/-/		
•		Witness	(if any)			_			For C	Tripally	70C1 03 4	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized 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 at correct to the best of my knowledge and belief based upon available production summaries and lea of equipment installation and/or upon type of completion or upon use being made of the gas well here I hereby request a one-year exemption from open flow testing for the Mai 1 gas well on the grounds that said well:	re true and se records
(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 staff as necessary to corroborate this claim for exemption from testing.	Commission
Date: 10-1-14 Signature:	

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A. A. 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.