Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:					(Se	e Instruct	tions on Re	verse Side))						
	en Flow iverabilt	у		Test		4.				No. 15 -20043 -00	-00				
Company Horseshoe Operating, Inc.			/	Leas			older				Well Number				
County Location Greeley C SE			Secti 29	Section 29			TWP 20S		RNG (E/W) 40W			Acres Attributed 640			
Field Bradshaw				Rese Wint						hering Conn idstream	ection				
Completion Date 6/1973				Plug Back Total Depth 2828				Packer S	et at	111-14					
Casing Size Weight 5.5 9.5				Internal Diameter 4.09			at 1	Perforations 2815			то 2822				
Tubing Size Weight 2 4.7				Internal Diameter 1.995			at 4	Perforations			То				
Type Completion (Describe) Single - Gas				Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No Pump Unit - Rod							
Producing Annulus		Annulus / Tubi	ng)	_	% Car	bon Dioxi	de		% Nitrog	en		Gas Gra	ivity - G	9	
Vertical Do		•			_	Flan						3"		over) Size	
Pressure I	Buildup:	Shut in	4-2	_20 <i>H</i> _a	_8_					320			_	AM) (PM)	
Well on Li	ne:	Started		20 a	t		(AM) (PM)	Taken	<u> </u>	20	at _			AM) (PM)	
			··· ··	 		DBSERVE	D SURFAC				Duration	of Shut-i	n_2	4 Hour	
Static / Dynamic Property	Orifice Size (Inches	Meter Prover Pres	Differen	tial Flowing	Temperature Te		(P _w) or (F	Pressure	Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	1,0						psig	13.6	psig	pog		24			
Flow							<u> </u>			<u> </u>					
			_	 	F	LOW STR	EAM ATTR	IBUTES			- -				
Plate Coefficcio (F _b) (F _p Mcfd	,)	Circle one: Meter or Prover Pressure psla	Extensi	Press Greater		1 7	Flowling Femperature Factor F _{ft}	Fa	riation actor = pv	Metered Flor R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
		•	_					· .					`		
(P _c)² =		: (P _w) ²	- =		FLOV		ERABILITY % (I	') CALCUL ⁻ 。 - 14.4) +		:		(P _a) ² (P _d) ²	= 0.20)7	
(P _c) ² - (P or (P _c) ² - (P		(P _c) ² - (P _w) ²	1. P _c ² -P 2. P _c ² -P	1. $P_c^2 - P_a^2$ LOG formula 1 or 2: 2. $P_c^2 - P_d^2$ Log formula 1. or and didded by: $P_c^2 - P_w^2$ by:		P ₂ - P ₂	Backpressure Curv Slope = "n" or Assigned Standard Slope		- n x 1	roe	Antil	Antilog .		Open Flow Deliverability Equals R x Antilog (Mcfd)	
				-	/		•	•	<u> </u>				_		
Open Flov	 v		Mcfd @	14.65 psia		•	Deliverat	oility _			Mcfd @ 1	4.65 psia	 a	-	
	_	ned authority, erein, and that	on behalf of said report is	the Compa	•-		e is duly a	uthorized t	o make the		ort and the	at he has	s knowl	0/4	
		Witness	(if any)					<u> </u>			Company ()	AU	_	-2014 -	
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	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	e foregoing pressure information and statements contained on this application form are true and
	he best of my knowledge and belief based upon available production summaries and lease records
of equipme	ont installation and/or upon type of completion or upon use being made of the gas well herein named. y request a one-year exemption from open flow testing for the Householder 1-29
	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
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary 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.