KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(See Instructi	ions on Reve	erse Side	e)					
	en Flow Hiverabilty			Test Date	73				No. 15 -20 <u>6</u> 20-00-	00			
Company		erating, Inc.	-			Lease Doyle				2	Weil Num	ber	
County		Location	Location N&W C NW/4		Section 21		TWP 23S		W)	Acres Attributed 480		ributed	
^{Field} B radsh	aw			Reservoir Winfield				Gas Gathering Connect Oneok Field Service					
Completion 10/15/9				Plug Bac 2506	k Total Depti	h		Packer S	et at				
Casing Size 4.5		Weight 10.5		Internal Diameter 4.052		Set at 2506		Perforations 2476		To 2486			
Tubing Size		Weight		Internal Diameter 2.000		Set at 2484		Perforations		То			
Type Completion (Des Single - Gas					Type Fluid Production Water				Pump Unit or Traveling Plun		nger? Yes / No		
roduçing		nnulus / Tubing)			Carbon Dioxid	te		% Nitroge	en	Gas Gi	ravity - G		
Vertical D		и Э	,			sure Taps		·		(Meter	Run) (Pro	ver) Size	
	De Alabara.	Claus in	3-6 2	J3	11:50	ange	Taken	3-1	720/	/3 at //,	506	M (PM)	
Pressure Well on L	Buildup: .ine:	Shut ins			•				,	at		M) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shut	in 2	4 Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Pressure Meter Differentia Prover Pressure in		Flowing Well Head Temperature		Casing Wellhead Pressure		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid	Produced arrels)	
Shut-In	.500	psig (Pm)	Inches H ₂ 0			140	psia	psig	psia	24	1		
Flow	, 200		<u> </u>										
				1	FLOW STR	EAM ATTRI	BUTES						
Plate Coefficient (F _b) (F _p) Mofd		Circle one: Meter or over Pressure psia Press Extension Pmxh		Gravity Factor F _g		Temporature		eviation Metered Flow Factor R F _{pv} (Mcfd)		GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m	
P_)2 =	_	(P _w) ² =_		(OPEN FL		ERABILITY) % (P.		LATIONS + 14.4 =		- 2) ² = 0.20) ² =	7	
$(P_c)^2 - (P_c)^2 - (P_c$		Choose formula 1 are (P _c) ² - (P _w) ² 1. P _c ² - P _a ² 2. P _c ² - P _d divided by: P _c ² - P		LOG of formula 1. or 2. and divide p 2. p 2		Backpressure Curve Slope = "n" or			ΓÌ	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			read by. T _C = T _w	—							,		
						Dali - mbi	III.			Mcfd @ 14.65 p	eia	.	
Open Flo		ed authority, on	Mcfd @ 14.		atatan that h	Deliverabi		to make ti		<u></u>	-	edae of	
		ed authority, on ein, and that said					12	day of _	Jug	ila	, 2	. 13	
		Witness (If s	iny) '			_	7	will	Far	ompany K	CC V	VICHI	
		For Commis	sion			_			Che	cked by	11 151 4		

JUN 19 2013

	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
	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 Doyle 2
	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
l furthe	r agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as ned	cessary to corroborate this claim for exemption from testing.
Date: 6	-12-13
	Signature:
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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.