KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:				(See Instruc	tions on He	verse Side	a) .					
_ ·	en Flow liverabilty	ı		Jest Dat	e:,,				No. 15	$\sim\sim$			
			<u></u>	4-28	-//	1,000		15-	075-20682	<u>. UU</u>	<u>)</u>	. 1	
Company Horseshoe Operating, Inc.				Lease HCU						0831-	Well Number 0831-B		
County Loc Hamilton C SE		ation	Section 8		TWP 23s		RNG (E/W) 41w		Acres Attributed				
ield Iradshav	N			Reservoir Chase(Towanda)				Gas Gathering Conr Oneok Field Service					
Completion Date			Plug Back Total Depth				Packer Set at						
0/27/98 asing Size Welght			2810' Internal	Set a				То					
-1/2" ubing Siz	1/2" 9.50 bing Size Weight			4.090"	Diameter	2850' Set at		2506' Perforations		2580' To			
2-3/8" 4.7 Type Completion (Describe)			1.995	1.995 2363'			Pumo U	nit or Traveling	Plunger? Yes / No				
ingle G	as			Type Fluid Production Gas - Water				Pump	iii or navenny i	Yes Yes / No			
roducing Innulus		innulus / Tubi	ng)	% Carbon Dioxide				% Nitrog	en	Gas Gravity - G _g 0.78			
/ertical Depth(H) 2567'				Pressure Taps Flange				. (Meter Run) (Prover) S 2.068"			rover) Size		
Pressure E	Buildup:	Shut in	4-27	20 // at /			Taken	4-28	20 /	// at //:		(AM) (PM)	
						$\overline{}$					at (AM) (F		
					OBSERVE	D SURFACI	E DATA			Duration of Shut	-in_2	4 Hour	
Static /	Orifice Size	Circle one Meter Prover Pres	Differentia	Temperature	1 '	Casing Wellhead Pressure (P_) or (P ₁) or (P ₂)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _a)		Duration (Hours)		Liquid Produced (Barrels)	
Property Shut-In	(inches)	psig (Pm) Inches H ₂ 0	t	t	psig	psia	psig psia		711			
Flow					<u></u>		<u>59.6</u>			24			
			l		FLOW STF	.i	BUTES	<u> </u>			_l		
Plate Coefficcie (F _b) (F _p Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m xh	l Cia		Temperature F		eviation Metered Flow Factor R F _{p.} (Mcfd)		GOR (Cubic Fe Barrel)	eet/	Flowing Fluid Gravity G _m	
		· · · · · · · · · · · · · · · · · · ·								1			
				(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS		(P.) ² = 0.2	07	
)2 =	:	(P_)2	Choose formula 1 or	$P_d = \frac{P_d}{2}$		<u> </u>	° - 14.4) +		:	(P _d))2 =		
(P _c) ² - (P _c) or (P _c) ² - (P _c)) ²	(P _a) ² - (P _w) ²	1. P _c ² -P _s ² 2. P _c ² -P _d ² divided by: P _c ² -P	LOG of formula 1. or 2. and divide	P.2. P.2	Slor Asi	Backpressure Curve Slope = "n" Assigned Standard Slope		roe [Antilog Equals		en Flow Iverability R x Antilog (Mcfd)	
-													
pen Flow	<i>'</i>		Mcfd @ 14	.65 psia		Deliverab	ility		N	1cfd @ 14.65 ps	ia		
			on behålf of the said report is tru				111	o make th	e above report	t and that he ha		ledge of	
		Witness	(il any)			~	Qa	nice	Kipl	LYANSAS CO	ORPORAT	ION COMMIS	
		For Con		· · · · · · · · · · · · · · · · · · ·		_			·		UN 1	6 2011	
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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 HCU 0831-B 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 mct/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:	
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Date: 6-14-11 Signature: Janice Ripley	I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
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	Date: 6-/4-1/

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.