KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			((See Instruc	tions on Re	verse Side)					
Op	en Flow		Jest Date	Jest Date: _ API No. 15									
Deliverabilty			5-22-	Jest Date: 3				15-075-20793 - 0<i>000</i>					
Company Horses		erating, Inc.				_{Lease} Sugar				1	Well N	lumber	
County Location Hamilton NE NW			Section 24		TWP 23S		RNG (E/W) 40W			Acres Attributed			
Field Bradshaw			Reservoi Winfiel					Gas Gathering Connection DCP Midstream					
Completion Date 3-31-2003				Plug Bac 2570	k Total Dep	n Packer Set		Set at					
asing Size Weight .5 10.5				Internal (4.052	Diameter	Set at 2578		Perforations 2534		то 254	To 2543		
Tubing Size Weight 2.80 4.7			Internal 0 2,0000		r Set at 2550		Perforations		То				
Type Completion (Describe) Single Gas				d Production		Pump Unit or Traveling Plung			Plunger? \	res / No			
Producing	Thru (An	nulus / Tubing)		% C	Carbon Dioxi	de		% Nitrog	jen	Gas	Gravity -	G _g	
ANNU LUS Vertical Depth(H)					Pressure Taps Flange						eter Run) (F	Prover) Size	
Pressure	Buildup:	Shut in 5	-21 2	0/3 at /	10:25	(AM) (PM)	Taken	5-0	22 20			(AM) (PM)	
Well on L		Started				_			20			(AM) (PM)	
 .			···		OBSERVE	D SURFAC	E DATA			Duration of S	hut-in <i>e</i>	24 Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure	Pressure Differential in	Flowing Temperature t	Well Head Temperature t		eing Pressure P _t) or (P _c)	Wellhe	Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)		uid Produced (Barrels)	
Shut-In	1025	psig (Pm)	Inches H ₂ 0	•		psig	67.2	psig	psia	24			
Flow	146		, , , , ,				7.0						
					FLOW STR	EAM ATTR	IBUTES						
Plate Coeffieci (F _b) (F _b Mcfd	ent Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact	tor	Flowing Temperature Factor F _{II}	Fa	iation ictor	Metered Flow R (Mcfd)	(Cubi	OR ic Feet/ arrel)	Flowing Fluid Gravity G _m	
				(OPEN EL	OW) (DELIV	FRABILITY) CALCUL	ATIONS			(D.)2		
ع	<u> </u>	(P _w) ² =	:	P _d =			P _c - 14.4) +		·:		$(P_a)^2 = 0.$ $(P_d)^2 =$		
(P _c) ² - (F or (P _c) ² - (F		(P _c) ² - (P _w) ² Choose to 1. P 2. P divided by		LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpressure Curv Slope = "n" or Assigned Standard Slope		e nx	LOG [Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
·													
			N-/	05 nele		Dalla and	hilibr			Mcfd @ 14.6	5 neia		
Open Flov			Mcfd @ 14.		•	Deliverat		o mela 4				wladaa of	
	_	d authority, on I			-		72	day of	Juli	n and that h	e nas kno	, 20 <u>13</u> .	
		Witness (if a	ny)			-	1	~ 11	For	ompany /	KI	CC WICH	
		For Commiss	ion			-			Chec	ked by		yy vyi bii	

JUL 25 2013

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	ne 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
	ent installation and/or upon type of completion or upon use being made of the gas well herein named.
	by request a one-year exemption from open flow testing for the Sugar #1
jas well ol	n 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 furthe	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:	123/13
	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.