## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: <b>.</b>			(	(See Instruc	tions on Re	verse Sid	e)					
Ор	en Flow			Toot Date				ADI	NI= 45				
Deliverabilty			9-11-14					No. 15 -20695-00-0	0				
Company Horseshoe Operating, Inc.				<i></i>	(	Lease Dalene	Lease			1	Well Number		
County Location Hamilton C NE NE				Section 7		TWP 22S		RNG (E/W) 41W			Acres Attributed 640		
Field Bradshaw				Reservoi Winfield				Gas Gath Oneok	nering Conne	ction			
Completion Date 2-13-1999			**	Plug Back Total Depth 2812 TD			Packer Set at None			***************************************			
Casing Size Weigh 4.5 10.5			nt	Internal Diameter 4.052			Set at 2811		Perforations 2752-54; 2757-61		то 2766-71		
Tubing Si	ze	Weigh	nt	Internal I	Internal Diameter 2.000		Set at 2777		Perforations		То		
Type Completion (Describe) Single - Gas				Type Flui Water				it or Traveling Unit - Rod	Plunger? Yes	ger? Yes / No			
Producing Thru (Annulus / Tubing			g)	% Carbon Dioxide				% Nitroge	Gas G	Gas Gravity - G <sub>g</sub>			
Annulus Vertical D					Pres Flan	sure Taps				(Meter	Run) (F	Prover) Size	
Pressure	Buildup	Shut in	9-10 20	14 at_			Taken	9-11	20 /	14 at 10://	0	(AM) (PM)	
Well on Line.		Started		.0 at		(AM) (PM) Taken_		20		at	at (AM) (PM)		
					OBSERVE	D SURFAC	E DATA	· · · · · · · · · · · · · · · · · · ·	1	Ouration of Shut	-in	34 Hours	
Static / Orifice Dynamic Size Property (inches		Circle one Meter Prover Press	I I	Flowing Well He Temperature Tempera		I Wellhead Pressure		Tubing  Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)			
Shut-In	.500	psig (Pm)	Inches H <sub>2</sub> 0			psig psia		psig psia		24	24		
Flow	1200									011	1		
					FLOW STE	REAM ATTR	IBUTES				•		
Plate Coeffieci (F <sub>b</sub> ) (F Mcfd	ient	Circle one Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> xh	Grav Fac	tor	Flowing Temperature Factor F <sub>ft</sub>		eviation Metered Flow Factor R F <sub>pv</sub> (Mcfd)		1 .	GOR (Cubic Feet/ Barrel)		
				•		ERABILITY	•				) <sup>2</sup> = 02	207	
(P <sub>c</sub> ) <sup>2</sup> =		(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>d</sub> =		% (F	P <sub>c</sub> - 14 4) +	+ 14.4 =	<del></del>	(P <sub>d</sub>	)2 =		
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2 P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> divided by P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	LOG of formula 1 or 2 and divide by	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpres Slope 		n v i	og [ ]	Antilog	De Equals	pen Flow liverability s R x Antilog (Mcfd)	
Open Flo	w		Mcfd @ 14.6	55 psia		Deliverab	oility			// // // // // // // // // // // // //	l ıa		
The	undereigr	and authority of	on behalf of the	Company	etatoe that h	no ie duly ai	ithorized t	to make the		·		dadaa at	
			said report is true					day of	toles		as know	20 <u>4</u> .	
			14>			_		Janie	e Ri		Rece	eived ATION COMMISSIO	
		Witness For Com	· · · · · · · · · · · · · · · · · · ·	www.waranianianianianianianianianianianianiania	The same of the sa	-		/	For of	empany 0	CT 0	3 2014	
		7 5, 5011							, Sileck	•	SERVAT WICH	ION DIVISION ITA, KS	

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 Dalene 1  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 mcf/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:

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.