KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				((See Instruc	tions on Rev	erse Side)				
Open F	low			.								
Deliverability Deliverability Deliverability Deliverability					14	API No. 15 15-075-208060000						
Company Horseshoe Operating, Inc.						_{Lease} Elsie				Well Number		
County Location Hamilton NW			Section 3		TWP 23S		RNG (E/W) 40W		Acres Attributed 480			
Field Bradshaw				Reservoi Winfiel			Gas Gathering C DCR∴Midstr		ering Conne	oction		
Completion Date 10-28-2003				Plug Bac 2597	k Total Dept	lh	Packer Set at		et at			
Casing Size 4,5				Internal Diameter 4.052		Set at 2598		Perforations 2560-66		то 2569-257 9		
Tubing Size 2.375				Internal Diameter 2.000		Set at 2591		Perforations		То		
Type Complet Single - Ga		escribe)		Type Flui	d Production	_		Pump Uni	t or Traveling	Plunger? Yes	/ No	
Producing The	ru (Ani	nulus / Tubing)	% C	arbon Dìoxi	de		% Nitroge	n	Gas Gr	avity - G _o	
Vertical Depth(H)						sure Taps AMAL				(Meter Run) (Prover) Size		
Pressure Build	din		 			14at 8,'00 (AM) (PM)						
Well on Line:	;	Started	20) at		(AM) (PM)	Taken		20	at	(AM) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in <u>34</u> Hours	
Dynamic 8	Orifice Size Inches) Circle one: Meter Prover Pressu psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature		(P _w) or (P _i) or (P _c)		Tubing Wellhead Pressure (P_) or (P_) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	00	P-15 (1)	I Montes Tigo			psig	//3	psig	psia	24		
Flow	ı											
	<u> </u>				FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or ver Pressure psia	Press Greenston Fa		ior 1	Townsections		lation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	I Genuiba I	
	<u>.l</u>					_	<u> </u>					
(P _c)² =	:	(P _w)²=_	:	(OPEN FLO		ERABILITY) 6 (P	CALCUL - 14.4) +		<u>, _</u> :	(P _a) (P _d)	² = 0.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _o) ² • (P _w) ²		2: $P_c^2 - P_a^2$ LOG of formula 2: $P_c^2 - P_a^2$ Lod of formula 1 or 2. and divide by:		P _c ² -P _w ²	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LC	ра	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
								-				
Open Flow Mcfd @ 14.65 psia					Deliverability		Mcfd @ 14.65 psia			ia		
			behalf of the (H	o make the	above repor	t and that he ha	s knowledge of	
		Witness (if a	any)			<u> </u>	1	iuce	Forc	ompany	RECEIVED	
		For Commis	sion			_			Chec	Ked by . KA	NSAS CORPORATION (

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exempt status und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
correct to the best	of my knowledge and belief based upon available production summaries and lease records
	illation and/or upon type of completion or upon use being made of the gas well herein named.
	est a one-year exemption from open flow testing for the Elsie #1
gas well on the gro	ounds that said well:
(Check	one)
	is a coalbed methane producer
Ħ	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.
V	is not capable of producing at a daily rate in excess of 250 mcf/D
_	e to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>8-4-</u> /	14
	Signature: <u>Anicu Ripley</u> Title: <u>Production Assistant</u>

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.