KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

ma Tact:			(Se	ee Instruction	ns on Heve	erse Side,	,					
ope Test: Open Flow			API No. 15 071-20733-00-00									
Deliverabilty			8/ <i>5//</i> (0	Lease					ell Numb	er	
ompany	ating Inc				Joy				1			
Horseshoe Operating, Inc. County Location Creeley SW SE			Section 6		TWP 20S		RNG (E/W) 39W			Acres Attributed		
ield							Gas Gathering, Connection DCP Midstream		ion xxxx	Advanta State a		
radshaw Completion Date			Plug Back Total Depth				Packer Se	t at				
-16-2000			2869 TD Internal Diameter Set at				None Perfora	tions	То			
asing Size Weight 5 10.5			4.090	ameter	2887		2830		2843 To			
Tubing Size	ze Weight			ameter	Set at 2844		Perforations		10			
2.375 4.7 Type Completion (Describe)			2.000 2844 Type Fluid Production				Pump Unit or Traveling Plung Pump Unit - Rod			er? Yes / No		
Single - Gas			Water % Carbon Dioxide				% Nitrogen			Gas Gravity - G _g		
	Annulus / Tubing)		% C	albon bloxic							Oine	
Annulus Vertical Depth(H)					ure Taps				้ว"		ver) Size	
		111	10 (Flang	ge		n8/5		10 a 10:26 AM		M) (PM)	
Pressure Buildup	: Shut in	20.	L at	1,76	(AM) (PM)	Taken		20 2	ut	(A	M) (P M)	
Well on Line:	Started	20 .	at		(AM) (PM)	Taken		20 .				
				OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 2	Hours	
Circle one: Pressure		1				lihead Pressure Wellhead		ubing ad Pressure	Duration		Liquid Produced	
Dynamic Size	lynamic Size Prover Pressure in		Temperature Temperat		(P _w) or (F	P ₁) or (P _c)	or (P_c) (P_w) or (P_t) or (P_c)		(Hours) (Ba		arrels)	
Property (inche	psig (i iii)	Inches H ₂ 0			psig	82	psig	pole	24			
Shut-In .37	5	-			 	00				1		
Flow						DIDUTES	<u>l</u>					
				FLOW STI	Flowing			AA A Towned Flow	GOR		Flowing	
Plate Coefficcient	Circle one: Meter or	Press Extension	1	vity ctor	Temperature		eviation Metered Flo Factor R		(Cubic F	eet/	fluid Gravity	
(F _b) (F _p)	Prover Pressure psia	✓ P _m xh	F	9	Factor F _{tt}	F _{pv}		(Mcfd)	Barrel	<u>'</u>	G _m	
Mcfd	, , , , , , , , , , , , , , , , , , ,		-								<u> </u>	
		L	(OPEN F	LOW) (DELI	VERABILIT	Y) CALC	ULATIONS		(P _a) ² = 0.20	07	
(D)2 -	: (P _w) ² =	:	P _d :				1) + 14.4 = _	<u> </u>	(P _c	d) ² =		
(P _c) ² =	T	Choose formula 1 or 2:				oressure Curve Blope = "n" n x L0		100		Open Flow Deliverability		
$(P_c)^2 - (P_p)^2$	(P _c) ² - (P _w) ²	1. P _c ² -P _a ² 2. P _c ² -P _d ²	formula 1. or 2.			or Assigned			Antilog	Equals R x Antilog (Mcfd)		
$(P_c)^2 - (P_d)^2$		divided by: P.2 - P.	and divid	P.2. P.2	Sta	ndard Slop	oe					
		¥-				×,						
									<u></u>			
Open Flow Mcfd @ 14			4.65 psia Deliverab				Jiney			fd @ 14.65 psia		
The unde	ersigned authority,	on behalf of the	Company	, states that	t he is duly	authoriz	ed to make	the above rep	ort and that he	has knov	wledge of 20 / O	
the facts stated	d therein, and that	said report is tru	ie and cori	rect. Execut	ed this the		day of _	Pir	leir	BEL.	FIVED	
	Witness	s (if any)			••		June		or Company	<u></u>	1 4 2010	
		nmicsion						C	hecked by	- UU I	1 7 £UIU	
	For Gor	nmission								KCC'	WICHIT	

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 Joy 1 gas well on the grounds that said well:
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 rncf/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: 10 11 10
Signature: <u>Janua Repley</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.