KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	ions on Rev	verse Side	e)					
Op	en Flo	N			_									
De	lıverabi	ilty			Test Date.				API No 15 15-075-206050000					
Company		Operating, Ir	nc.		Lease Marie				,			Well Number		
County Location Hamilton C-SE				Section 2		TWP 23S			/W)	Acres Attributed 320		1		
Field Bradshaw						Reservoir Winfield			Gas Gathering Connection DGB Midstream					
Completion Date 10-20-1996					Plug Bac 2612	Plug Back Total Depth 2612			Packer 8	Set at				
Casing Size Weight 4.5 10.5				Internal E 4.052	Internal Diameter 4.052		Set at 2616		rations 1	To 2601				
Tubing Size Weight 2.375 4.7					Internal E 2.0000		Set at		Perforations		То			
Type Con Single ((Describe)			Type Flui Water	Type Fluid Production Water				Pump Unit or Traveling Plunger? Yes / No				
Producing Casing	Thru	(Annulus / Tubi	ng)		% C	arbon Dioxid	de		% Nitrog	en	Gas Gra	avity - G _g		
Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size												ze		
2573 Pressure	Builder	o: Shut in	9.	-10 20	14 _{at}	Flange 14 _{at} 8:30 (AM) (PM) Ta			9-11 20/1		4 _{at} 8:30 (AM) (PM)		—	
Well on L	•	Started		<u> </u>	•		(AM) (PM)		•		at	•	•	
			-			OBSERVE	D SURFACE	E DATA			Ouration of Shut-	in 24 H	ours	
Static / Dynamic Property	Orific Size (inche	ze Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produce (Barrels)	÷ď	
Shut-In	.75	50					paig	70	psig	рыд	24			
Flow								,				,		
						FLOW STR	EAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one Meter or Prover Pressure psla		Press Extension ✓ P _m xh	Fact	Gravity To		Fa	Deviation Metered I		GOR (Cubic Fer Barrel)	et/ Flowin Fluid Gravit G _m	·	
			1		(OPEN FLO	OW) (DELIV	ERABILITY)) CALCUL	ATIONS		(P) ²	2= 0.207		
(P _c) ² =		_: (P _w)²		<u> </u>	P _d =		6 (F	P _c - 14.4) +	14.4=_	 ::	(P _d)2			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ 1 P_c^2 2. P_c^2		e formula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ $Aby P_c^2 - P_w^2$	LOG of formula 1 or 2 and divide by	Slope 0 P 2 - P 2 Assig		ssure Curve be = "n" - or signed ard Slope	= "n" r gned n x LOG		Antilog	Open Flow Deliverability Equals R x Anti (Mcfd)		
														
Open Flow Mcfd @ 14.65 p					65 psia	i psia Deliverability			Mcfd @ 14.65 psia					
The u	ındersi	aned authority	on hel	half of the	Company s	tates that be	e is duly au	ithorized t	o make th	ie above report	and that he ha	s knowledge of	_	
		erein, and that s						1	day of	Octob	CA I	, 20	Ł	
		Witness	(if any)				_			rice 1	Kiple	1		
		For Com	mission		 ,		-			Check	red by	KANSAS CORPO	eceived ORATION C	

OCT 03 2014

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 Marie #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:
Signature: <u>Amice Ripley</u> Title: <u>Production A:35istant</u>

instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 32-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas v/ell.

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.