KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	Flow				(See Instruc	ctions on Re	everse Side	9)					
Open Flow Deliverabilty				Test Dat	Test Date: 5-22-13			API No. 15 071-20455-00-0 0					
Company Horseshoe Operating, Inc.					Lease Floyd			Well Number 2				nber	
County Location Greeley C SE NW			Section 24			TWP 19S		RNG (E/W) 40W		Acres Attributed 640			
Field Bradshaw			Reservo Winfield				hering Conne	ection					
Completion Date 6/8/88				Plug Bad 2941	Plug Back Total Depth 2941			Packer Set at None					
Casing Size Weight 10.5			•	Internal 4.04	Diameter	Set at 2845		Perforations 2830		то 2841			
Tubing Size Weight 2.375 4.7			jht	Internal 1.995	Diameter	Set at 2900		Perforations		То	То		
Type Completion (Describe) Single					Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes Rod					
Producing Th Annulus	hru (An	nulus / Tubi	ng)	% (Carbon Diox	ide	9	% Nitrog	en	Gas G	ravity - G	0	
Vertical Dept	th(H)					sure Taps		•	,	(Meter	Run) (Pro	over) Size	
2975			£.21	Flange 21 20 13 at 8:45 (AM) (PM) Taken_				Σ 22 12 9776 -					
·						$\overline{}$	_		•		•		
Velf on Line:	: 	Started		_ 20 at		(AM) (PM)	Taken			at	(A	M) (PM)	
			· .		OBSERVE	D SURFAC	E DATA	`.	'A	Duration of Shut	-in_2	Hour	
ynamic	Orifice Minches)		Different sure in	ial Temperature	Well Head Temperature t	(P _w) or (P ₁) or (P _c)		Tubing Welthead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	500	psig (Pm	/ Inches i	20		psig	53.2	psig	psia	24			
Flow					<u> </u>		l ,				<u> </u>		
<u></u>					FLOW STR	EAM ATTR	RIBUTES	т		<u> </u>			
Plate Coeffiecient (F _b) (F _p) Mcfd	Pro	Circle one: Meter or ver Pressure psia	Press Extension	j rac	or Temperature		Fa	Deviation Metered Flo Factor R F _{pv} (Mcfd)		v GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
		·				<u>.</u>							
1 12		(5.)3		•	OW) (DELIV		7) CALCUL P 14.4) +		•		$)^2 = 0.20$	7	
$(P_c)^2 = \underline{\qquad}$ $(P_c)^2 - (P_s)^2$	T	(P _w) ² =	Choose formule 1	ર ∫ LOG બ	<u>`</u>	% (P.			; ;	(P _d	Ope	Open Flow	
or (P _e) ² - (P _d) ²		***	2. P _c ² - P _d ²	1. or 2.	P _c ² · P _w ²			nxL	.og	Antilog	Equals I	Deliverability uals R x Antilog (Mcfd)	
<u> </u>	-						······································						
pen Flow	en Flow Mcfd @ 14.65		14.65 psia	5 psia De		eliverability			1cfd @ 14.65 ps	ia			
		-	n behalf of t			e is duly au	uthorized to	make the		t and that he ha	as knowle	edge of	
						_	\mathcal{L}	Jani	ce Ki	pley		WICH	
		Witness (_	0	<u> </u>	For Co	pany ed by	JUN	2 0 201	
									2240			CEIVE	

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 Floyd #2 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 further agree to supply to the best of my ability any and all supporting documents deemed by Commission
Signature: Production Assistant Staff as necessary to corroborate this claim for exemption from testing. Date: 6-/8-/3 Signature: Production Assistant

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.